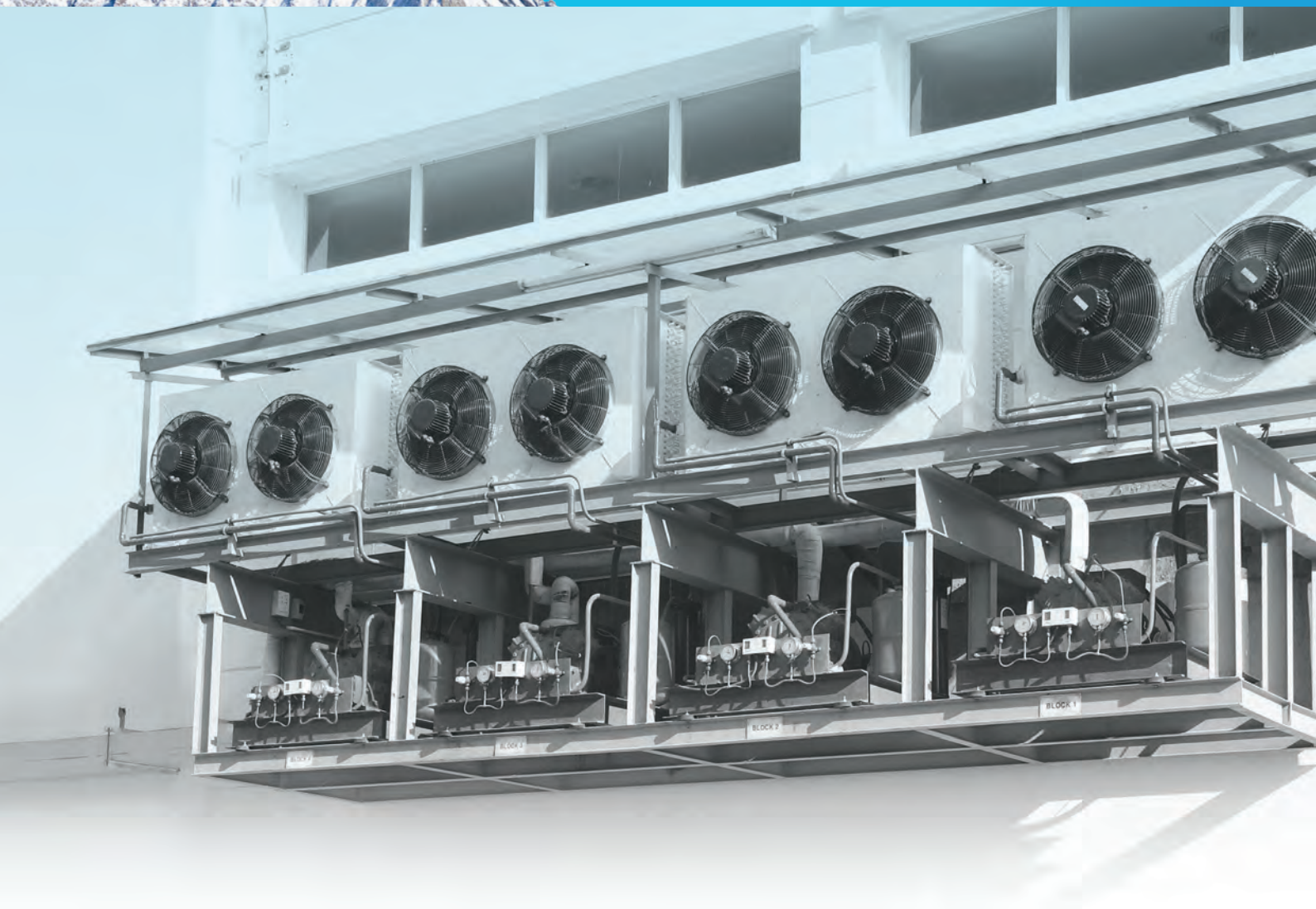


GLACIER PRO
HEAT EXCHANGE TECHNOLOGY

Experience
Innovation
Excellence

Condensing Units

small to large scale commercial and industrial solutions



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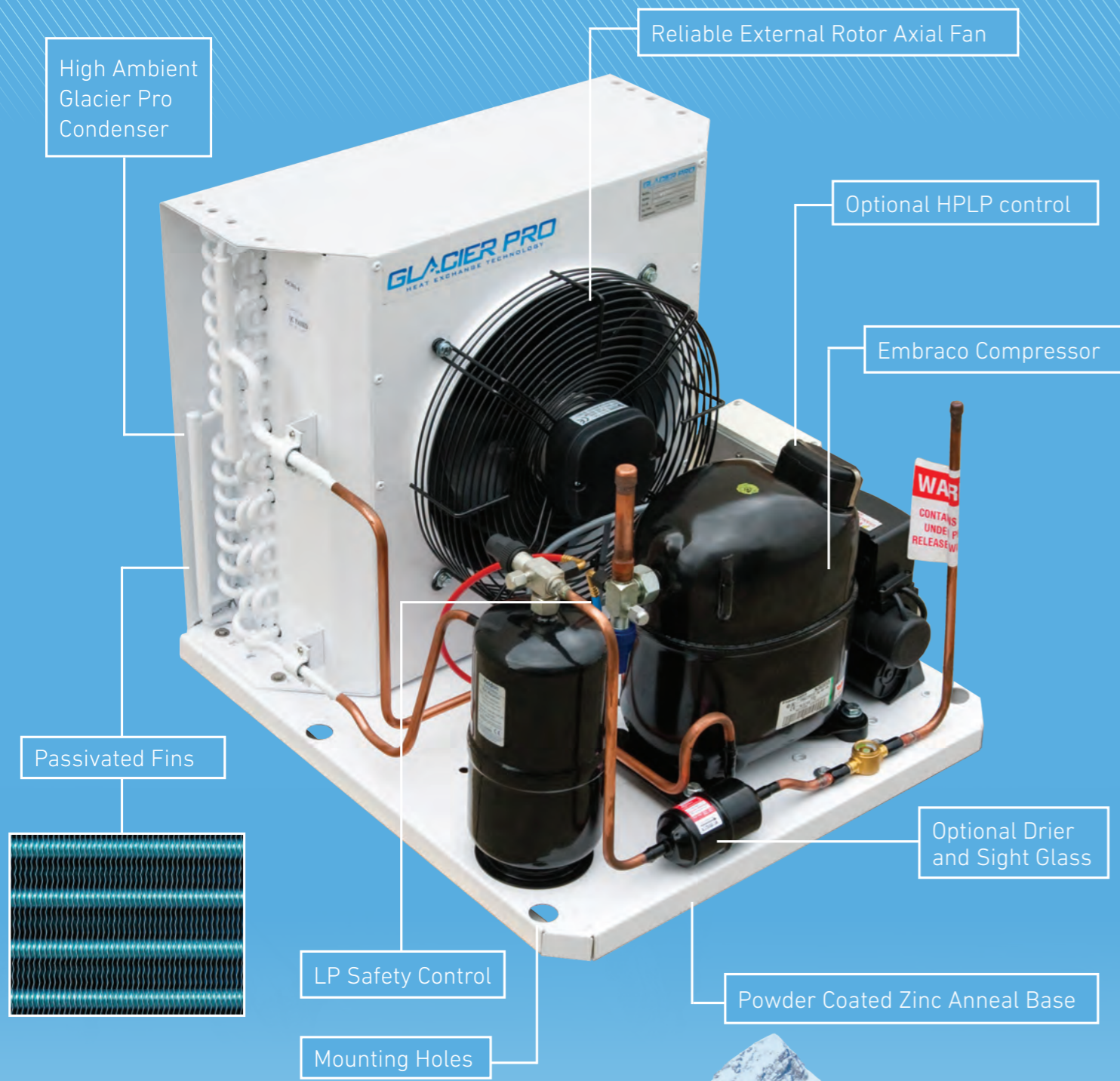
CONTACT US

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CHILL

SERIES

ADVANTAGES



The Glacier Pro 'Chill' range is best suited to small commercial applications. This series utilises robust and reliable Embraco fractional HP compressors.

Due to the use of generous condensers, these high quality condensing units are ideal for high ambient applications.

Advantages

Embraco Compressor – These European compressors are built to an exceptional level of quality which is evident in their performance.

Glacier Pro Condensers – have a long list of advantages from design through to build quality.

High Ambient – These condensing units have been engineered to withstand high ambient conditions.

Axial Fan – Reliable external rotor motor axial fans offer high airflow and ease of service.

LP Safety – All units come standard with an encapsulated LP control which can be upgraded to a mechanical HPLP.

Base – High quality zinc anneal is powder coated to ensure the unit base withstands the elements and remains aesthetically intact.

Mounting Holes - Makes fixing to brackets or frames fast and easy.

Options



Options

- Fan speed control
- HPLP control
- Drier and sight glass
- Oil separator
- Solenoid valve
- Fully enclosed unit

The Glacier Pro 'Chill' series performs well when a standard condensing unit will not suffice.

Ranging from 1/2 to 1 1/2 HP and utilising both R404A and R134a these units are ideal for most small commercial applications.



GPC26-1M
* With optional extras

CHILL SERIES

Experience
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R404A MEDIUM / HIGH BACK PRESSURE

MODEL	HP	AMBIENT	COOLING CAPACITY watts				
		°C	-15sst	-10sst	-5sst	0sst	5sst
GPC13-1M	3/8	35	898	1115	1358	1626	1888
		40	820	1020	1245	1493	1732
GPC17-1M	1/2	35	1000	1244	1530	1806	2132
		40	886	1128	1392	1646	1950
GPC20-1M	5/8	35	1196	1503	1839	2203	2555
		40	1081	1364	1676	2017	2347
GPC26-1M	3/4	35	1594	1994	2456	2926	3429
		40	1456	1827	2253	2678	3128
GPC32-1M	1 1/4	35	1947	2401	2967	3544	4162
		40	1778	2196	2717	3239	3791
GPC38-1M	1 1/2	35	2419	2986	3554	4239	4901
		40	2195	2715	3231	3864	4471

For Nomenclature and Technical Data see page 8

R134a MEDIUM / HIGH BACK PRESSURE

MODEL	HP	AMBIENT	COOLING CAPACITY watts				
		°C	-15sst	-10sst	-5sst	0sst	5sst
GPC15-1H	1/2	35	741	948	1217	1542	1865
		40	684	884	1137	1439	1730
GPC20-1H	3/4	35	1038	1314	1675	2093	2561
		40	945	1234	1593	1990	2422
GPC26-1H	1	35	1539	1864	2258	2714	3169
		40	1322	1648	2030	2464	2885

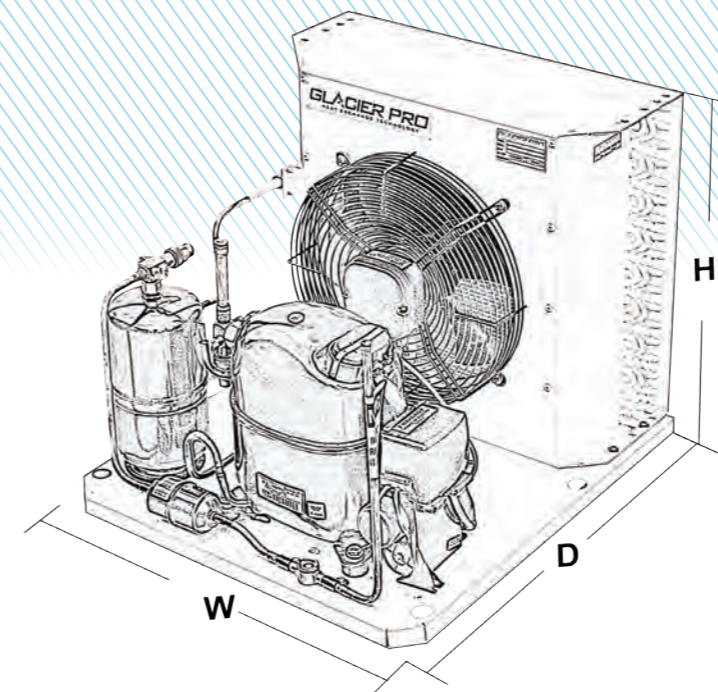
R404A LOW BACK PRESSURE

MODEL	HP	AMBIENT	COOLING CAPACITY watts				
		°C	-30sst	-25sst	-23.3sst	-20sst	-15sst
GPC92-1L	1 1/4	35	887	1163	1278	1469	1827
		40	825	1107	1220	1405	1752
GPC12-1L	1 1/2	35	1247	1628	1793	2108	2617
		40	1161	1553	1718	2013	2531

Ratings based on 11k suction superheat / 3k subcooling
For approximate 43°C ambient ratings - multiply 40°C by 0.94

NOMENCLATURE

GP	C	26	-	1	M
GLACIER PRO	CHILL SERIES	COMPRESSOR MODEL		1 = 240 v	M = R404A MBP/HBP L = R404A LBP H = R134a MBP/HBP



CHILL

SERIES
TECH DATA

Experience
Innovation
Excellence

CONDENSING UNIT	COMPRESSOR					FAN		AIR VOLUME M ³ /H	CONNECTIONS			UNIT DIMENSIONS mm			WEIGHT kg	dB (A) @3m
	MODEL	VOLTAGE	HP	DISP cc	MRA	AMPS	DIA mm		LIQUID	SUCTION	DISCHARGE	W	D	H		

R404A MBP/HBP

GPC13-1M	NE9213GK	240	3/8	12.0	4.6	0.23	1 X 250	900	1/4	3/8	1/4	430	600	395	30	46
GPC17-1M	T6217GK	240	1/2	14.5	5.1	0.23	1 X 250	890	1/4	3/8	1/4	430	600	395	35	46
GPC20-1M	T6220GK	240	5/8	17.4	5.6	0.42	1 X 300	1670	1/4	1/2	3/8	550	600	455	39	52
GPC26-1M	NJ9226GK	240	3/4	21.7	6.8	0.42	1 X 300	1630	3/8	5/8	3/8	550	600	455	43	55
GPC32-1M	NJ9232GK	240	1-1/4	26.1	7.5	0.42	1 X 300	1600	3/8	5/8	3/8	550	600	495	45	55
GPC38-1M	NJ9238GK	240	1-1/2	32.7	10.4	0.42	1 X 300	1570	3/8	5/8	3/8	550	600	495	46	56

R134a MBP/HBP

GPC15-1H	T6215Z	240	1/2	20.4	4.7	0.23	1 X 250	890	1/4	1/2	3/8	430	600	395	33	46
GPC20-1H	NJ6220Z	240	3/4	26.2	5.9	0.42	1 X 300	1630	3/8	1/2	3/8	430	600	455	40	54
GPC26-1H	NJ6226Z	240	1	34.4	6.3	0.42	1 X 300	1600	3/8	1/2	3/8	550	600	455	42	55

R404A LBP

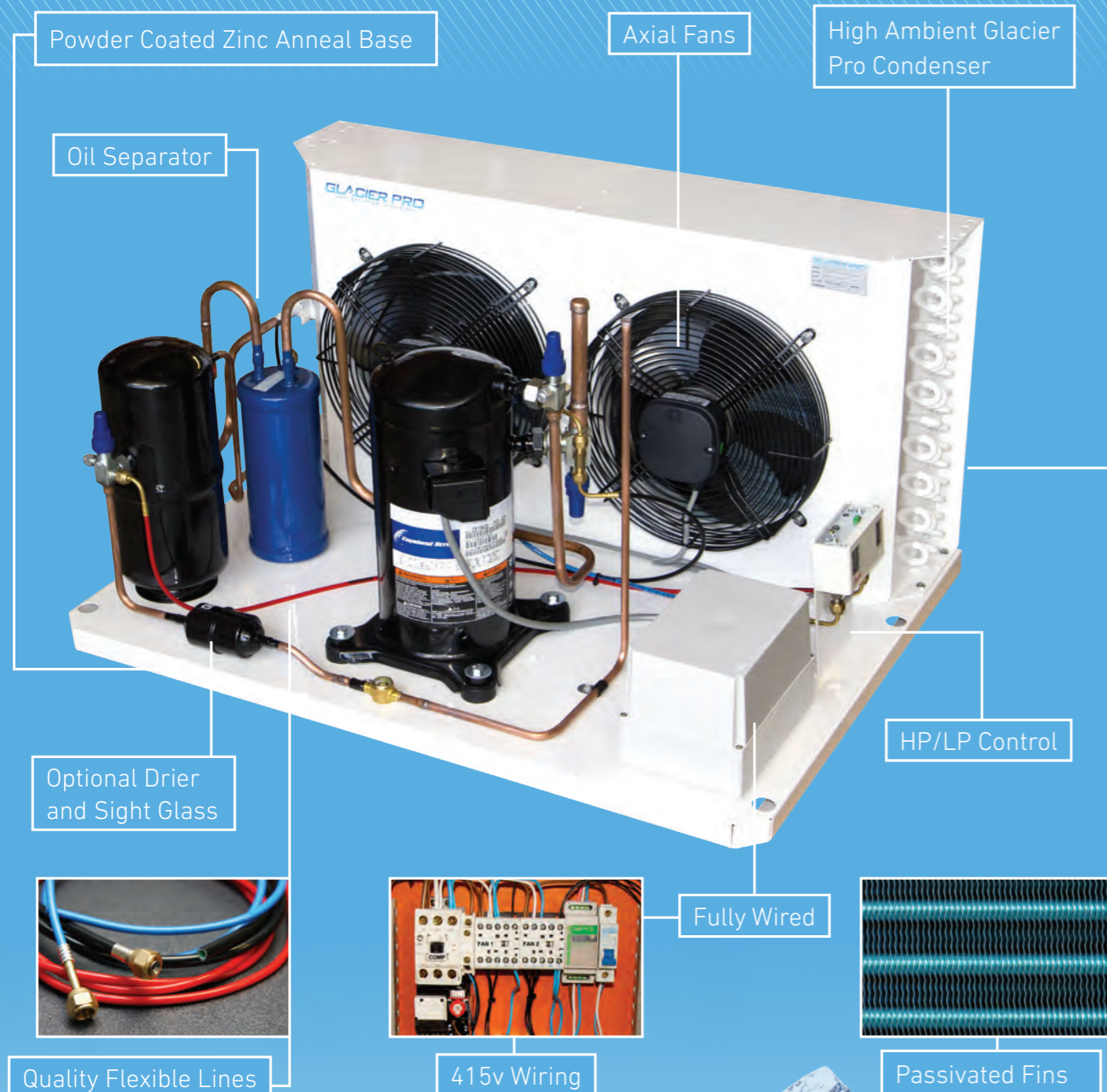
GPC92-1L	NJ2192GK	240	1-1/4	26.2	5.8	0.42	1 X 300	1670	1/4	1/2	1/4	430	600	455	39	54
GPC12-1L	NJ2212GK	240	1-1/2	34.4	8.1	0.42	1 X 300	1630	3/8	5/8	3/8	550	600	455	40	55

*All noise level estimates are based at a distance of 3 metres 'free field' and are given as a guide only
All data is given as a guide only and is subject to change without notice

FROST

SERIES

ADVANTAGES



The Glacier Pro 'Frost' range incorporates efficient Copeland ZB scroll compressors, large condensers and high quality components to achieve a reliable, high ambient solution. Condensers are optimised for individual applications.

The 'Frost' range is best suited to medium sized commercial applications. A long list of standard inclusions gives customers the edge with cost effectiveness and ease of installation.

Advantages

Copeland ZB scroll compressor – Proven efficiency and wide ranging performance.

Glacier Pro condensers – have a long list of advantages from design through to build quality.

High Ambient – These condensing units have been engineered to withstand high ambient conditions.

Axial Fan – Reliable axial fans offer high air flow and ease of service.

HP/LP – Danfoss dual pressure control ensures protection for the compressor.

Oil separator – As a standard feature, provides extra piece of mind and improves efficiency.

Motor protection relay on units over 5hp – guards against phase failure and power fluctuations.

Fully wired – all components are wired to an electrical box.

Base – High quality zinc anneal is powder coated to ensure the unit base withstands the elements and remains aesthetically intact.

Mounting holes – Makes fixing to brackets or frames fast and easy.

Condenser fan control – is standard on all "LH" model units.

Options



Options

- Fan speed control
- Drier and sight glass
- Solenoid valve
- Suction accumulator
- Non return valve
- Fan Cycle HP
- Isolator
- Fully enclosed

The Glacier Pro 'Frost-M' series is optimised for medium temperature applications with R404A and R507.

Ranging from 4.14kW to 31.8kW at -5sst, this range is suitable for small to medium scale installations.



GPF21 - 3M
* With optional extras

FROST SERIES

R404A MEDIUM / HIGH BACK PRESSURE

MODEL	HP	AMBIENT	COOLING CAPACITY kW				
		°C	-15sst	-10sst	-5sst	0sst	5sst
GPF15-1M	2	35	2.80	3.43	4.14	4.91	5.76
		40	2.46	3.03	3.68	4.38	5.15
GPF15-3M	2	35	2.80	3.43	4.14	4.91	5.76
		40	2.46	3.03	3.68	4.38	5.15
GPF19-1M	2.3	35	3.48	4.20	5.03	5.97	6.99
		40	3.14	3.80	4.56	5.42	6.36
GPF19-3M	2.3	35	3.48	4.20	5.03	5.97	6.99
		40	3.14	3.80	4.56	5.42	6.36
GPF21-1M	2.7	35	4.23	5.11	6.14	7.27	8.49
		40	3.81	4.62	5.56	6.58	7.69
GPF21-3M	2.7	35	4.23	5.11	6.14	7.27	8.49
		40	3.81	4.62	5.56	6.58	7.69
GPF26-1M	3	35	4.89	5.91	7.10	8.42	9.88
		40	4.42	5.35	6.44	7.65	9.00
GPF26-3M	3	35	4.89	5.91	7.10	8.42	9.88
		40	4.42	5.35	6.44	7.65	9.00
GPF29-3M	3.5	35	5.74	6.96	8.38	9.95	11.65
		40	5.16	6.28	7.59	9.03	10.65

MODEL	HP	AMBIENT	COOLING CAPACITY kW				
		°C	-15sst	-10sst	-5sst	0sst	5sst
GPF38-3M	4	35	7.14	8.64	10.35	12.30	14.45
		40	6.44	7.81	9.37	11.20	13.15
GPF45-3M	5	35	8.41	10.15	12.25	14.50	16.95
		40	7.60	9.20	11.10	13.15	15.40
GPF48-3M	6	35	9.49	11.75	14.15	16.70	19.55
		40	8.29	10.45	12.75	15.10	17.70
GPF58-3M	8	35	9.62	13.30	16.05	19.00	22.20
		40	8.44	11.95	14.15	17.20	20.10
GPF66-3M	9	35	12.65	15.35	18.40	21.80	25.50
		40	11.45	13.90	16.70	19.75	23.10
GPF76-3M	10	35	14.95	18.15	21.40	25.80	30.10
		40	13.50	16.45	19.75	23.40	27.40
GPF95-3M	12	35	17.95	21.90	26.40	31.20	36.40
		40	15.90	19.60	23.70	28.20	32.90
GPF114-3M	15	35	21.30	26.30	31.80	37.80	44.30
		40	18.85	23.50	28.60	34.10	40.20

Ratings based on 11k suction superheat / 3k subcooling
For approximate 38°C ambient ratings - multiply 35°C by 0.94
For approximate 43°C ambient ratings - multiply 40°C by 0.94

For Nomenclature and Technical Data see page 18

The Glacier Pro 'Frost-H' series is optimised for medium/ high temperature applications with R134a.

Ranging from 2.62kW to 19.8kW at -5sst, this range is suitable for small to medium scale applications and includes condenser fan control on multiple fan units.



GPF21 - 3M

* With optional extras

FROST SERIES

R134a MEDIUM / HIGH BACK PRESSURE

MODEL	HP	AMBIENT	COOLING CAPACITY kW				
		°C	-15sst	-10sst	-5sst	0sst	5sst
GPF15-1H	2	35	1.68	2.12	2.62	3.19	3.85
		40	1.57	2.04	2.46	3.00	3.62
GPF15-3H	2	35	1.68	2.12	2.62	3.19	3.85
		40	1.57	2.04	2.46	3.00	3.62
GPF19-1H	2.3	35	1.95	2.46	3.02	3.72	4.49
		40	1.83	2.30	2.87	3.50	4.22
GPF19-3H	2.3	35	1.95	2.46	3.02	3.72	4.49
		40	1.83	2.30	2.87	3.50	4.22
GPF21-1H	2.7	35	2.48	3.12	3.88	4.74	5.72
		40	2.32	2.89	3.64	4.45	5.38
GPF21-3H	2.7	35	2.48	3.12	3.88	4.74	5.72
		40	2.32	2.89	3.64	4.45	5.38
GPF26-1H	3	35	2.85	3.59	4.46	5.45	6.57
		40	2.67	3.37	4.19	5.39	6.26
GPF26-3H	3	35	2.85	3.59	4.46	5.45	6.57
		40	2.67	3.37	4.19	5.39	6.26
GPF29-3H	3.5	35	3.37	4.24	5.27	6.44	7.78
		40	3.16	3.98	4.95	6.06	7.33

MODEL	HP	AMBIENT	COOLING CAPACITY kW				
		°C	-15sst	-10sst	-5sst	0sst	5sst
GPF38-3H	4	35	4.12	5.23	6.50	7.94	9.56
		40	3.87	4.92	6.12	7.48	8.97
GPF45-3H	5	35	4.97	6.25	7.78	9.53	11.50
		40	4.63	5.83	7.29	8.93	10.80
GPF48-3H	6	35	5.67	7.09	8.74	10.60	12.70
		40	5.32	6.65	8.20	9.95	11.95
GPF58-3H	8	35	6.39	8.02	9.91	12.05	14.45
		40	5.98	7.51	9.29	11.30	13.60
GPF66-3H	9	35	7.35	9.20	11.35	13.85	16.65
		40	6.88	8.61	10.65	13.00	15.65
GPF76-3H	10	35	8.45	10.55	13.10	15.95	19.20
		40	7.92	9.90	12.30	15.00	18.05
GPF95-3H	12	35	10.55	13.40	16.65	20.20	24.30
		40	9.65	12.40	15.50	18.95	22.80
GPF114-3H	15	35	12.4	15.85	19.80	24.30	29.30
		40	11.4	14.70	18.50	22.70	27.40

Ratings based on 11k suction superheat / 3k subcooling
For approximate 43°C ambient ratings - multiply 40°C by 0.94

For Nomenclature and Technical Data see page 20

The Glacier Pro 'Frost-L' series is optimised for low temperature applications with R404A and R507.

Ranging from 1.55kW to 12kW at -25sst, this range is suitable for small to medium scale applications and includes condenser fan control on multiple fan units.



GPF21 - 3M

* With optional extras

FROST SERIES

R404A LOW BACK PRESSURE

MODEL	HP	AMBIENT	COOLING CAPACITY kW				
		°C	-30sst	-25sst	-23.3sst	-20sst	-15sst
GPF15-1L	2	35	1.13	1.55	1.70	1.99	2.50
		40	0.89	1.28	1.42	1.68	2.14
GPF15-3L	2	35	1.13	1.55	1.70	1.99	2.50
		40	0.89	1.28	1.42	1.68	2.14
GPF19-1L	2.3	35	1.68	2.14	2.31	2.64	3.22
		40	-	1.89	2.05	2.34	2.87
GPF19-3L	2.3	35	1.68	2.14	2.31	2.64	3.22
		40	-	1.89	2.05	2.34	2.87
GPF21-1L	2.7	35	2.06	2.62	2.84	3.26	4.00
		40	1.82	2.34	2.53	2.91	3.58
GPF21-3L	2.7	35	2.06	2.62	2.84	3.26	4.00
		40	1.82	2.34	2.53	2.91	3.58
GPF26-1L	3	35	2.39	3.05	3.29	3.76	4.60
		40	2.10	2.70	2.92	3.35	4.12
GPF26-3L	3	35	2.39	3.05	3.29	3.76	4.60
		40	2.10	2.70	2.92	3.35	4.12
GPF29-3L	3.5	35	2.80	3.57	3.86	4.43	5.45
		40	2.46	3.15	3.42	3.94	4.87

For Nomenclature and Technical Data see page 20

MODEL	HP	AMBIENT	COOLING CAPACITY kW				
		°C	-30sst	-25sst	-23.3sst	-20sst	-15sst
GPF38-3L	4	35	3.48	4.41	4.76	5.46	6.70
		40	3.08	3.92	4.24	4.86	5.98
GPF45-3L	5	35	4.09	5.21	5.62	6.43	7.89
		40	3.64	4.65	5.03	5.75	7.07
GPF58-3L	8	35	-	6.01	6.67	7.95	10.10
		40	-	4.92	5.57	6.80	8.83
GPF66-3L	9	35	-	7.71	8.35	9.60	11.80
		40	-	6.84	7.44	8.56	10.55
GPF76-3L	10	35	-	9.02	9.80	11.35	14.00
		40	-	7.85	8.59	10.05	12.50
GPF95-3L	12	35	-	10.45	11.45	13.50	16.95
		40	-	8.66	9.64	11.60	14.85
GPF114-3L	15	35	-	12.00	13.25	15.70	19.85
		40	-	10.00	11.15	13.45	17.35

Ratings based on 11k suction superheat / 3k subcooling

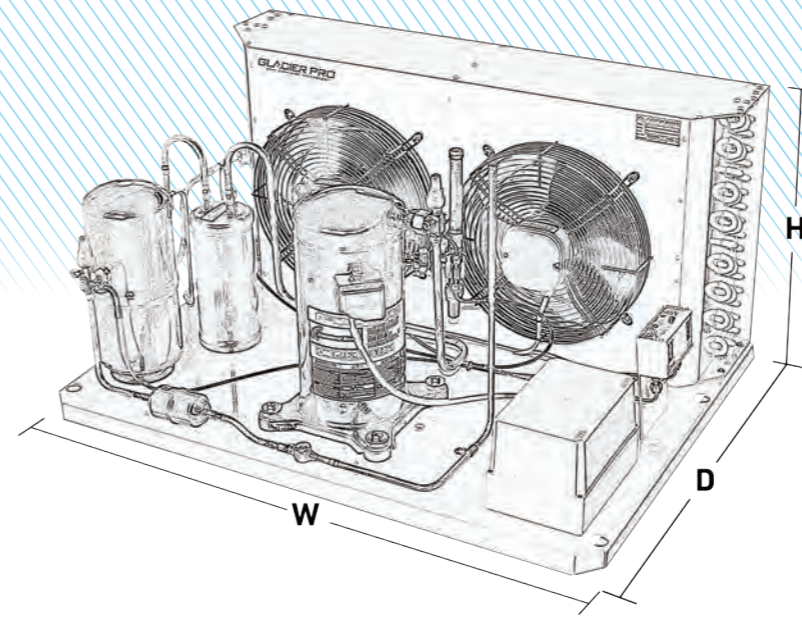
For approximate 43°C ambient ratings - multiply 40°C by 0.94

For optimal performance, suction superheat must be less than 15K

To avoid compressor damage, suction superheat must be equal to 10K

NOMENCLATURE

GP	F	38	-	3	M
GLACIER PRO	FROST SERIES	COMPRESSOR MODEL		1 = 240 v 3 = 415 v	M = R404A MBP/HBP



FROST

SERIES
TECH DATA

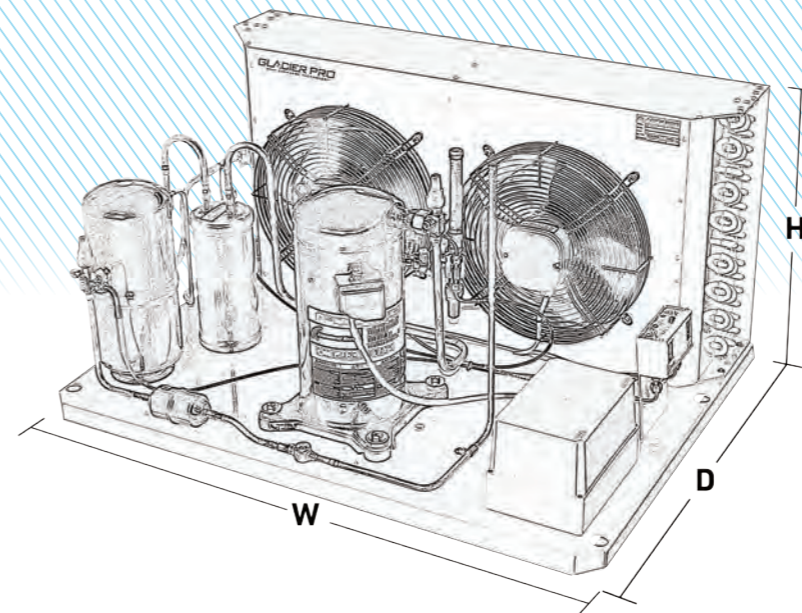
R404A MBP/HBP TECH DATA

CONDENSING UNIT	COMPRESSOR					FAN		AIR VOLUME M ³ /H	CONNECTIONS			UNIT DIMENSIONS			WEIGHT kg	dB (A) @3m
	MODEL	VOLTAGE	HP	DISP (CC)	MRA	AMPS	DIA (MM)		LIQUID	SUCTION	DISCHARGE	W	D	H		
GPF15-1M	ZB15-PFJ	240V	2	5.9	12.8	1 X .67	1 X 350	2280	3/8	5/8	1/2	705	700	550	65	57
GPF15-3M	ZB15-TFD	415V	2	5.9	4.9	1 X .67	1 X 350	2280	3/8	5/8	1/2	705	700	550	65	57
GPF19-1M	ZB19-PFJ	240V	2.3	6.8	12.8	2 X .42	2 X 300	3200	3/8	5/8	1/2	960	700	500	74	57
GPF19-3M	ZB19-TFD	415V	2.3	6.8	6.5	2 X .42	2 X 300	3200	3/8	5/8	1/2	960	700	500	75	57
GPF21-1M	ZB21-PFJ	240V	2.7	8.6	16.4	2 X .42	2 X 300	3150	3/8	3/4	5/8	705	700	650	75	64
GPF21-3M	ZB21-TFD	415V	2.7	8.6	7.2	2 X .42	2 X 300	3150	3/8	3/4	5/8	960	700	500	75	64
GPF26-1M	ZB26-PFJ	240V	3	9.9	18	2 X .67	2 X 350	4580	1/2	7/8	5/8	1210	700	550	88	64
GPF26-3M	ZB26-TFD	415V	3	9.9	8.85	2 X .67	2 X 350	4580	1/2	7/8	5/8	1210	700	550	88	64
GPF29-3M	ZB29-TFD	415V	3.5	11.7	10.3	2 X .88	2 X 400	5920	1/2	7/8	5/8	1210	700	650	102	66
GPF38-3M	ZB38-TFD	415V	4	14.5	12.8	2 X .88	2 X 400	5700	1/2	7/8	5/8	1210	700	650	115	68
GPF45-3M	ZB45-TFD	415V	5	17.1	13.1	2 X .88	2 X 400	5800	1/2	1 1/8	3/4	1210	700	750	126	68
GPF48-3M	ZB48-TFD	415V	6	18.75	14	2 X .88	2 X 400	5800	1/2	1 1/8	3/4	1210	700	750	131	68
GPF58-3M	ZB58-TFD	415V	8	22.1	15.4	2 X .88	2 X 400	9850	1/2	1 1/8	3/4	1210	700	750	146	68
GPF66-3M	ZB66-TFD	415V	9	25.7	17.5	2 x 1.3	2 X 500	13460	5/8	1 3/8	7/8	1535	850	950	192	70
GPF76-3M	ZB76-TFD	415V	10	28.8	20.4	2 x 1.3	2 X 500	13500	5/8	1 3/8	7/8	1535	850	950	205	70
GPF95-3M	ZB95-TFD	415V	12	36.4	28.2	2 x 1.3	2 X 500	13350	5/8	1 3/8	7/8	1535	850	1055	216	70
GPF114-3M	ZB114-TFD	415V	15	43.3	33.3	3 x 1.3	3 X 500	20300	5/8	1 3/8	1 1/8	2200	1000	865	265	76

*All noise level estimates are based at a distance of 3 metres 'free field' and are given as a guide only. All data is given as a guide only and is subject to change without notice.

NOMENCLATURE

GP	F	38	-	3	LH
GLACIER PRO	FROST SERIES	COMPRESSOR MODEL		1 = 240 v 3 = 415 v	L = R404A LBP H = R134a MBP/HBP



FROST

SERIES
TECH DATA

R404A LBP/ R134a MBP/HBP TECH DATA

CONDENSING UNIT	COMPRESSOR					FAN		AIR VOLUME M ³ /H	CONNECTIONS			UNIT DIMENSIONS			WEIGHT kg	dB (A) @3m
	MODEL	VOLTAGE	HP	DISP (CC)	MRA	AMPS	DIA (MM)		LIQUID	SUCTION	DISCHARGE	W	D	H		
GPF15-1L/H	ZB15-PFJ	240V	2	5.9	12.8	1 X .42	1 X 300	1600	3/8	5/8	1/2	705	700	550	60	57
GPF15-3L/H	ZB15-TFD	415V	2	5.9	4.9	1 X .42	1 X 300	1600	3/8	5/8	1/2	705	700	550	60	57
GPF19-1L/H	ZB19-PFJ	240V	2.3	6.8	12.8	1 X .42	1 X 300	1600	3/8	3/4	1/2	960	700	500	65	57
GPF19-3L/H	ZB19-TFD	415V	2.3	6.8	6.5	1 X .42	1 X 300	1600	3/8	3/4	1/2	960	700	500	65	57
GPF21-1L/H	ZB21-PFJ	240V	2.7	8.6	16.4	1 X .65	1 X 350	2280	3/8	3/4	1/2	705	700	650	75	64
GPF21-3L/H	ZB21-TFD	415V	2.7	8.6	7.2	1 X .65	1 X 350	2280	3/8	3/4	1/2	960	700	500	78	64
GPF26-1L/H	ZB26-PFJ	240V	3	9.9	18	2 X .42	2 X 300	3200	3/8	7/8	5/8	1210	700	550	80	64
GPF26-3L/H	ZB26-TFD	415V	3	9.9	8.85	2 X .42	2 X 300	3200	3/8	7/8	5/8	1210	700	550	80	64
GPF29-3L/H	ZB29-TFD	415V	3.5	11.7	10.3	2 X .42	2 X 300	3150	3/8	7/8	5/8	1210	700	650	95	66
GPF38-3L/H	ZB38-TFD	415V	4	14.5	12.8	2 X .65	2 X 350	4580	3/8	7/8	5/8	1210	700	650	101	68
GPF45-3L/H	ZB45-TFD	415V	5	17.1	13.1	2 X .82	2 X 400	5920	3/8	7/8	5/8	1210	700	750	108	68
GPF48-3H	ZB48-TFD	415V	6	18.75	14	2 X .82	2 X 400	5920	1/2	1 1/8	3/4	1210	700	750	108	68
GPF58-3L/H	ZB58-TFD	415V	8	22.1	15.4	2 X .88	2 X 400	5700	1/2	1 1/8	3/4	1210	700	750	137	68
GPF66-3L/H	ZB66-TFD	415V	9	25.7	17.5	2 X .88	2 x 400	5800	1/2	1 3/8	7/8	1535	850	950	160	70
GPF76-3L/H	ZB76-TFD	415V	10	28.8	20.4	2 X .88	2 x 400	9850	1/2	1 3/8	7/8	1535	850	950	165	70
GPF95-3L/H	ZB95-TFD	415V	12	36.4	28.2	2 x 1.3	2 x 500	13460	1/2	1 3/8	7/8	1535	850	1055	198	70
GPF114-3L/H	ZB114-TFD	415V	15	43.3	33.3	2 x 1.3	2 x 500	13500	5/8	1 3/8	1 1/8	2200	1000	865	220	76

*All noise level estimates are based at a distance of 3 metres 'free field' and are given as a guide only. All data is given as a guide only and is subject to change without notice.

BLIZZARD

SERIES

ADVANTAGES



The Glacier Pro 'Blizzard' range incorporates industry proven Maneurop compressors, large condensers and high quality components to achieve a reliable, high ambient solution. Condensers are optimised for individual applications.

The 'Blizzard' range is best suited to medium sized commercial applications and are ideally suited to long pipe runs and extreme climates.

Advantages

Maneurop MTZ/NTZ Reciprocating Compressor – Proven reliability and wide ranging performance.

Glacier Pro Condensers – have a long list of advantages from design through to build quality.

High Ambient – These condensing units have been engineered to withstand high ambient conditions.

Axial Fan – Reliable axial fans offer high air flow and ease of service.

HP/LP – Danfoss dual pressure control ensures protection for the compressor.

Oil Separator – As a standard feature, provides extra piece of mind and improves efficiency.

Motor Protection Relay – Guards against phase failure and power fluctuations on units over 5hp.

Crank Case Heater – reduces the chance of damage occurring to the compressor.

Fully Wired – All components are wired to an electrical box.

Base – High quality zinc anneal is powder coated to ensure the unit base withstands the elements and remains aesthetically intact.

Mounting Holes – Makes fixing to brackets or frames fast and easy.

Condenser Fan Control – is standard on all "L" and "H" model units with multiple fans.

Options



Options

- Fan speed control
- Drier and sight glass
- Solenoid valve
- Suction accumulator
- Non return valve
- Fan Cycle HP
- Isolator
- Fully enclosed

The Glacier Pro 'Blizzard-M' series units utilise the robust 'MTZ' range of compressors from Maneurop. These units are optimised for use with R404A in medium temperature commercial applications.

Ranging from 2.7kW up to 27kW @ -5sst, the 'M' range will suit a wide range of installations.



GPB32-3M

*With optional extras

BLIZZARD SERIES

R404A MEDIUM/ HIGH BACK PRESSURE

MODEL	HP	AMBIENT	COOLING CAPACITY kW				
		°C	-15sst	-10sst	-5sst	0sst	5sst
GPB18-1M	1.5	35	1.71	2.13	2.69	3.30	3.93
		40	1.51	1.87	2.36	2.90	3.45
GPB18-3M	1.5	35	1.71	2.13	2.69	3.30	3.93
		40	1.51	1.87	2.36	2.90	3.45
GPB22-1M	1.8	35	2.25	2.88	3.61	4.36	5.15
		40	1.95	2.51	3.15	3.82	4.50
GPB22-3M	1.8	35	2.25	2.88	3.61	4.36	5.15
		40	1.95	2.51	3.15	3.82	4.50
GPB28-1M	2.3	35	2.97	3.79	4.71	5.71	6.77
		40	2.59	3.32	4.16	5.06	6.00
GPB28-3M	2.3	35	2.97	3.79	4.71	5.71	6.77
		40	2.59	3.32	4.16	5.06	6.00
GPB32-1M	2.7	35	3.46	4.36	5.39	6.49	7.64
		40	3.03	3.84	4.75	5.73	6.75
GPB32-3M	2.7	35	3.46	4.36	5.39	6.49	7.64
		40	3.03	3.84	4.75	5.73	6.75
GPB36-3M	3	35	4.12	5.17	6.35	7.62	8.98
		40	3.65	4.59	5.64	6.77	7.98
GPB40-3M	3	35	4.75	5.90	7.21	8.62	10.12
		40	4.23	5.27	6.45	7.70	9.03
GPB45-3M	3.8	35	4.68	5.94	7.40	8.96	10.67
		40	4.14	5.27	6.58	7.98	9.49

MODEL	HP	AMBIENT	COOLING CAPACITY kW				
		°C	-15sst	-10sst	-5sst	0sst	5sst
GPB51-3M	4.3	35	5.52	6.98	8.67	10.49	12.49
		40	4.84	6.15	7.65	9.26	11.03
GPB57-3M	4.8	35	5.80	7.38	9.19	11.16	13.24
		40	5.11	6.53	8.14	9.90	10.99
GPB65-3M	5.4	35	6.98	8.95	10.99	13.34	15.85
		40	6.14	7.92	9.74	11.84	14.07
GPB73-3M	6	35	7.92	10.00	12.38	15.02	17.83
		40	6.99	8.85	11.00	13.37	15.86
GPB81-3M	6.8	35	9.40	11.73	14.41	17.31	20.51
		40	8.37	10.48	12.90	15.51	18.39
GPB100-3M	8.3	35	11.00	13.93	17.30	20.98	24.93
		40	9.79	12.42	15.44	18.72	22.21
GPB125-3M	10.4	35	13.69	17.12	21.13	25.36	30.49
		40	12.05	15.12	18.71	22.47	27.09
GPB144-3M	12	35	16.22	20.13	24.60	29.41	34.45
		40	14.35	17.85	21.85	26.13	30.58
GPB160-3M	13.3	35	17.92	22.28	27.28	32.61	38.38
		40	15.91	19.84	24.33	29.10	34.24

For Nomenclature and Technical Data see page 30

Ratings based on 11k suction superheat / 3k subcooling
 For approximate 38°C ambient ratings - multiply 35°C by 0.94
 For approximate 43°C ambient ratings - multiply 40°C by 0.94

The Glacier Pro 'Blizzard-H' series units utilise the robust 'MTZ' range of compressors from Maneurop. These units are optimised for use with R134a in medium/high temperature commercial applications.

Ranging from 1.6kW up to 16.6kW @ -5sst, the 'H' range offers all the advantages of an R134a system.



BLIZZARD SERIES

GPB32-3M

*With optional extras

R134a MEDIUM/ HIGH BACK PRESSURE

MODEL	HP	AMBIENT	EVAPORATING TEMP - SST				
		°C	-15sst	-10sst	-5sst	0sst	5sst
GPB18-1H	1.5	35	0.85	1.20	1.60	2.05	2.54
		40	0.74	1.06	1.43	1.83	2.27
GPB18-3H	1.5	35	0.85	1.20	1.60	2.05	2.54
		40	0.74	1.06	1.43	1.83	2.27
GPB22-1H	1.8	35	1.14	1.58	2.10	2.70	3.37
		40	1.00	1.41	1.89	2.43	3.05
GPB22-3H	1.8	35	1.14	1.58	2.10	2.70	3.37
		40	1.00	1.41	1.89	2.43	3.05
GPB28-1H	2.3	35	1.44	1.95	2.58	3.32	4.18
		40	1.30	1.77	2.35	3.03	3.81
GPB28-3H	2.3	35	1.44	1.95	2.58	3.32	4.18
		40	1.30	1.77	2.35	3.03	3.81
GPB32-1H	2.7	35	1.67	2.26	2.98	3.81	4.76
		40	1.49	2.04	2.70	3.46	4.33
GPB32-3H	2.7	35	1.67	2.26	2.98	3.81	4.76
		40	1.49	2.04	2.70	3.46	4.33
GPB36-3H	3	35	2.32	3.03	3.86	4.80	5.89
		40	2.12	2.79	3.56	4.44	5.45
GPB40-3H	3	35	2.70	3.41	4.24	5.16	6.19
		40	2.50	3.18	3.96	4.83	5.79
GPB45-3H	3.8	35	2.47	3.30	4.28	5.42	6.73
		40	2.18	2.95	3.86	4.91	6.11

MODEL	HP	AMBIENT	EVAPORATING TEMP - SST				
		°C	-15sst	-10sst	-5sst	0sst	5sst
GPB51-3H	4.3	35	2.82	3.82	5.02	6.39	7.96
		40	2.49	3.42	4.53	5.79	7.25
GPB57-3H	4.8	35	2.76	3.86	5.18	6.70	8.45
		40	2.43	3.45	4.68	6.09	7.71
GPB65-3H	5.4	35	3.24	4.54	6.09	7.86	9.83
		40	2.86	4.09	5.54	7.18	9.02
GPB73-3H	6	35	3.78	5.25	6.99	9.00	11.28
		40	3.38	4.77	6.41	8.29	10.42
GPB81-3H	6.8	35	4.71	6.27	8.12	10.22	12.62
		40	4.25	5.71	7.44	9.40	11.63
GPB100-3H	8.3	35	5.42	7.28	9.53	12.07	14.98
		40	4.84	6.59	8.68	11.02	13.70
GPB125-3H	10.4	35	7.00	9.36	12.18	15.66	19.04
		40	6.18	8.40	11.04	14.03	17.43
GPB144-3H	12	35	9.14	11.97	15.35	19.18	23.53
		40	8.25	10.91	14.09	17.67	21.71
GPB160-3H	13.3	35	10.00	13.06	16.66	20.79	25.47
		40	9.09	11.95	15.30	19.11	23.41

For Nomenclature and Technical Data see page 32

Ratings based on 11k suction superheat / 3k subcooling
For approximate 43°C ambient ratings - multiply 40°C by 0.94

The Glacier Pro 'Blizzard-L' series units utilise the robust 'NTZ' range of compressors from Maneurop. These compressors have been improved to offer a wider operational envelope. Blizzard 'L' units are optimised for use with R404A in low temperature commercial applications. Ranging from 1.6kW up to 10.5kW @ -25sst, the 'L' range allows very low temperatures at very high ambient.



BLIZZARD SERIES

GPB32-3M
*With optional extras

R404A LOW BACK PRESSURE

MODEL	HP	AMBIENT °C	COOLING CAPACITY kW				
			-30sst	-25sst	-23.3sst	-20sst	-15sst
GPB48-1L	1.8	35	1.23	1.66	1.82	2.13	2.67
		40	1.04	1.42	1.56	1.84	2.31
GPB68-1L	2	35	2.09	2.74	2.98	3.46	4.30
		40	1.81	2.40	2.61	3.04	3.80
GPB68-3L	2	35	2.09	2.74	2.98	3.46	4.30
		40	1.81	2.40	2.61	3.04	3.80
GPB96-3L	3.5	35	2.41	3.26	3.59	4.23	5.39
		40	2.01	2.76	3.06	3.62	4.66
GPB108-3L	3.7	35	2.98	3.99	4.36	5.08	6.39
		40	2.53	3.43	3.76	4.39	5.55

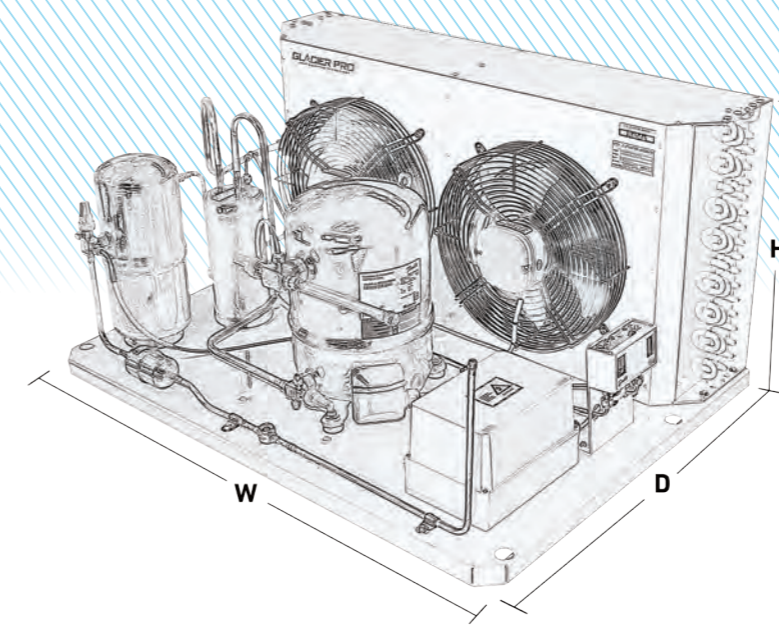
For Nomenclature and Technical Data see page 34

MODEL	HP	AMBIENT °C	COOLING CAPACITY kW				
			-30sst	-25sst	-23.3sst	-20sst	-15sst
GPB136-3L	4	35	3.88	5.14	5.62	6.56	8.25
		40	3.35	4.48	4.91	5.75	7.27
GPB215-3L	7.3	35	5.93	7.86	8.59	10.03	12.57
		40	5.02	6.77	7.43	8.72	11.02
GPB271-3L	8.3	35	8.02	10.50	11.45	13.23	16.44
		40	6.91	9.14	9.98	11.55	14.41

Ratings based on 11k suction superheat / 3k subcooling
For approximate 43°C ambient ratings - multiply 40°C by 0.94

NOMENCLATURE

GP	B	45	-	3	M
GLACIER PRO	BLIZZARD SERIES	COMPRESSOR MODEL		1 = 240 v 3 = 415 v	M = R404A MBP/HBP L = R404A LBP H = R134a MBP/HBP



BLIZZARD

SERIES

TECH DATA

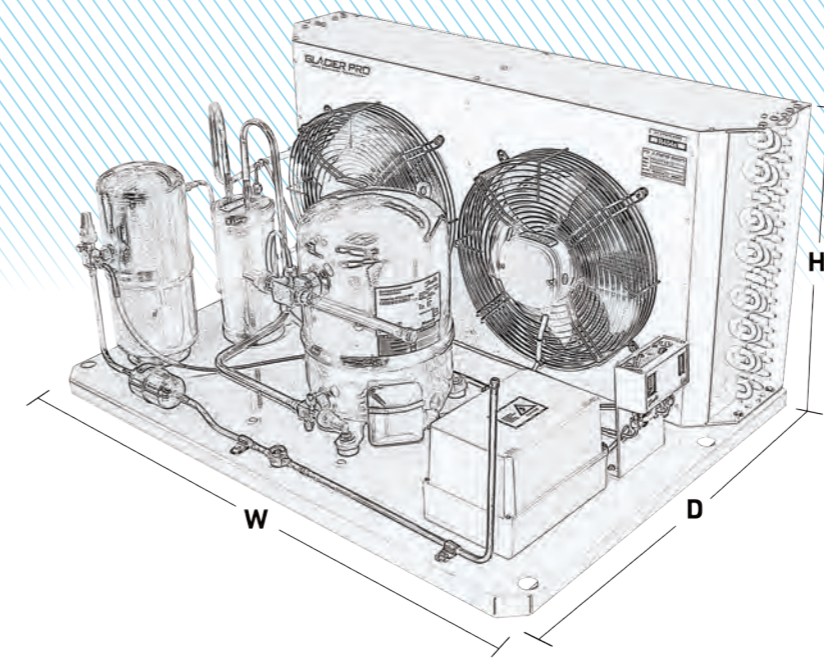
R404A MBP/HBP TECH DATA

CONDENSING UNIT	COMPRESSOR					FAN		AIR VOLUME M ³ /H	CONNECTIONS			UNIT DIMENSIONS			WEIGHT kg	dB (A) @3m
	MODEL	VOLTAGE	HP	DISP (CC)	MRA	AMPS	DIA (MM)		LIQUID	SUCTION	DISCHARGE	W	D	H		
GPB18-1M	MTZ18-5	240V	1.5	30.23	12	1 X .42	1 X 300	1600	3/8"	1/2"	3/8"	705	700	500	54	58
GPB18-3M	MTZ18-4	415V	1.5	30.23	5	1 X .42	1 X 300	1600	3/8"	1/2"	3/8"	705	700	500	54	58
GPB22-1M	MTZ22-5	240V	1.8	38.12	15	1 X .42	1 X 300	1600	3/8"	5/8"	1/2"	705	700	500	56	59
GPB22-3M	MTZ22-4	415V	1.8	38.12	6	1 X .42	1 X 300	1600	3/8"	5/8"	1/2"	705	700	500	56	59
GPB28-1M	MTZ28-5	240V	2.3	48.06	16	1 X .67	1 X 350	2280	3/8"	5/8"	1/2"	705	700	550	67	56
GPB28-3M	MTZ28-4	415V	2.3	48.06	7.5	1 X .67	1 X 350	2280	3/8"	5/8"	1/2"	705	700	550	67	56
GPB32-1M	MTZ32-5	240V	2.7	53.86	20	2 X .42	2 X 300	3200	3/8"	5/8"	1/2"	960	700	500	72	56
GPB32-3M	MTZ32-4	415V	2.7	53.86	8	2 X .42	2 X 300	3200	3/8"	5/8"	1/2"	960	700	500	72	56
GPB36-3M	MTZ36-4	415V	3.0	60.47	9	2 X .42	2 X 300	3180	3/8"	3/4"	1/2"	960	700	500	70	55
GPB40-3M	MTZ40-4	415V	3.3	67.9	10	2 X .67	2 X 350	4580	3/8"	3/4"	1/2"	1210	850	550	77	55
GPB45-3M	MTZ45-4	415V	3.8	76.22	9.5	2 X .67	2 X 350	4580	3/8"	7/8"	3/4"	1210	850	550	96	65
GPB51-3M	MTZ51-4	415V	4.3	85.64	11.5	2 X .88	2 X 400	4510	3/8"	7/8"	3/4"	1210	850	550	101	68
GPB57-3M	MTZ57-4	415V	4.8	96.1	12	2 X .88	2 X 400	4510	1/2"	7/8"	3/4"	1210	850	550	104	66
GPB65-3M	MTZ65-4	415V	5.4	107.7	14	2 X .88	2 X 400	5800	1/2"	7/8"	3/4"	1210	850	650	115	65
GPB73-3M	MTZ73-4	415V	6.0	120.94	17	2 X .88	2 X 400	5800	1/2"	7/8"	3/4"	1210	850	650	125	64
GPB81-3M	MTZ81-4	415V	6.8	135.78	19	2 X .88	2 X 400	5720	1/2"	1-1/8"	3/4"	1210	850	650	130	64
GPB100-3M	MTZ100-4	415V	8.3	171.26	22	2 x 1.3	2 X 500	13460	1/2"	1-1/8"	3/4"	1420	1000	955	195	70
GPB125-3M	MTZ125-4	415V	10.4	215.44	27	2 x 1.3	2 X 500	13460	1/2"	1-1/8"	3/4"	1420	1000	955	212	69
GPB144-3M	MTZ144-4	415V	12.0	241.78	30	2 x 1.3	2 X 500	13390	5/8"	1-1/8"	3/4"	1420	1000	955	219	68
GPB160-3M	MTZ160-4	415V	13.3	271.55	36	2 x 1.3	2 X 500	13350	5/8"	1-1/8"	3/4"	1420	1000	1055	227	68

*All noise level estimates are based at a distance of 3 metres 'free field' and are given as a guide only
All data is given as a guide only and is subject to change without NOTICE

NOMENCLATURE

GP	B	45	-	3	M
GLACIER PRO	BLIZZARD SERIES	COMPRESSOR MODEL		1 = 240 v 3 = 415 v	M = R404A MBP/HBP L = R404A LBP H = R134a MBP/HBP



BLIZZARD

SERIES

TECH DATA

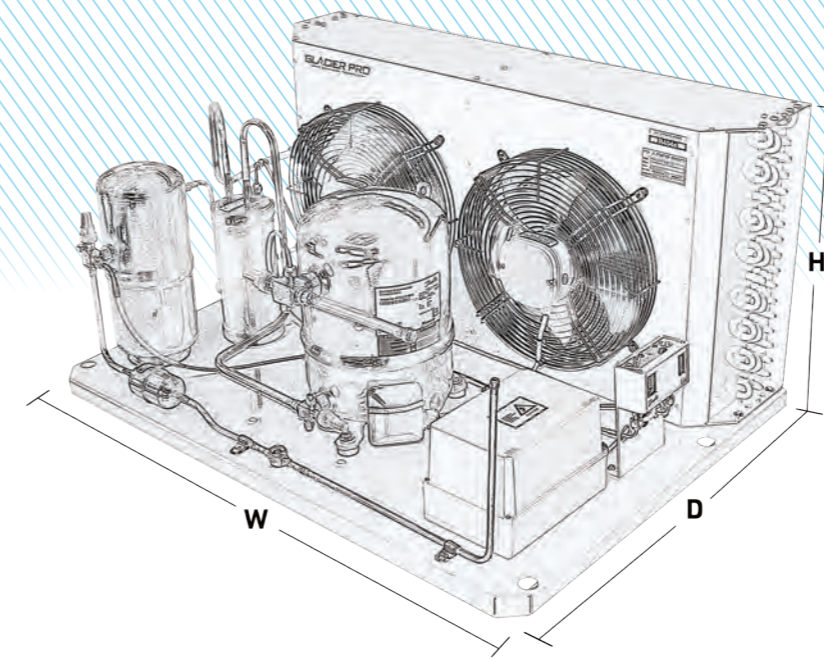
R134a MBP/HBP TECH DATA

CONDENSING UNIT	COMPRESSOR					FAN		AIR VOLUME M ³ /H	CONNECTIONS			UNIT DIMENSIONS			WEIGHT kg	dB (A) @3m
	MODEL	VOLTAGE	HP	DISP (CC)	MRA	AMPS	DIA (MM)		LIQUID	SUCTION	DISCHARGE	W	D	H		
GPB18-1H	MTZ18-5	240V	1.5	30.23	12	1 X .42	1 X 300	1620	3/8"	5/8"	1/2"	705	700	450	50	58
GPB18-3H	MTZ18-4	415V	1.5	30.23	5	1 X .42	1 X 300	1620	3/8"	5/8"	1/2"	705	700	450	50	58
GPB22-1H	MTZ22-5	240V	1.8	38.12	15	1 X .42	1 X 300	1600	3/8"	5/8"	1/2"	705	700	500	55	59
GPB22-3H	MTZ22-4	415V	1.8	38.12	6	1 X .42	1 X 300	1600	3/8"	5/8"	1/2"	705	700	500	55	59
GPB28-1H	MTZ28-5	240V	2.3	48.06	16	1 X .42	1 X 300	1600	3/8"	5/8"	1/2"	705	700	500	57	56
GPB28-3H	MTZ28-4	415V	2.3	48.06	7.5	1 X .42	1 X 300	1600	3/8"	5/8"	1/2"	705	700	500	57	56
GPB32-1H	MTZ32-5	240V	2.7	53.86	20	1 X .42	1 X 300	1600	3/8"	3/4"	5/8"	705	700	550	63	56
GPB32-3H	MTZ32-4	415V	2.7	53.86	8	1 X .42	1 X 300	1600	3/8"	3/4"	5/8"	705	700	500	63	56
GPB36-3H	MTZ36-4	415V	3.0	60.47	9	1 X .67	1 X 350	2280	3/8"	7/8"	5/8"	705	700	650	69	55
GPB40-3H	MTZ40-4	415V	3.3	67.9	10	1 X .67	1 X 350	2280	3/8"	7/8"	5/8"	705	700	650	70	55
GPB45-3H	MTZ45-4	415V	3.8	76.22	9.5	2 X .42	2 X 300	3200	3/8"	7/8"	5/8"	1210	850	500	88	65
GPB51-3H	MTZ51-4	415V	4.3	85.64	11.5	2 X .42	2 X 300	3180	3/8"	7/8"	5/8"	1210	850	500	91	68
GPB57-3H	MTZ57-4	415V	4.8	96.1	12	2 X .42	2 X 300	3180	3/8"	7/8"	5/8"	1210	850	500	94	66
GPB65-3H	MTZ65-4	415V	5.4	107.7	14	2 X .67	2 X 350	4580	3/8"	7/8"	3/4"	1210	850	550	100	65
GPB73-3H	MTZ73-4	415V	6.0	120.94	17	2 X .88	2 X 400	4510	3/8"	7/8"	3/4"	1210	850	550	106	64
GPB81-3H	MTZ81-4	415V	6.8	135.78	19	2 X .88	2 X 400	4510	1/2"	1-1/8"	7/8"	1210	850	550	109	64
GPB100-3H	MTZ100-4	415V	8.3	171.26	22	2 X .88	2 X 400	5800	1/2"	1-1/8"	7/8"	1210	850	650	109	64
GPB125-3H	MTZ125-4	415V	10.4	215.44	27	2 X .88	2 X 400	5720	5/8"	1-3/8"	1-1/8"	1210	850	650	179	69
GPB144-3H	MTZ144-4	415V	12.0	241.78	30	2 x 1.3	2 X 500	13460	5/8"	1-3/8"	1-1/8"	1420	1000	955	179	69
GPB160-3H	MTZ160-4	415V	13.3	271.55	36	2 x 1.3	2 X 500	13460	5/8"	1-3/8"	1-1/8"	1420	1000	955	179	69

*All noise level estimates are based at a distance of 3 metres 'free field' and are given as a guide only
All data is given as a guide only and is subject to change without NOTICE

NOMENCLATURE

GP	B	45	-	3	M
GLACIER PRO	BLIZZARD SERIES	COMPRESSOR MODEL		1 = 240 v 3 = 415 v	M = R404A MBP/HBP L = R404A LBP H = R134a MBP/HBP



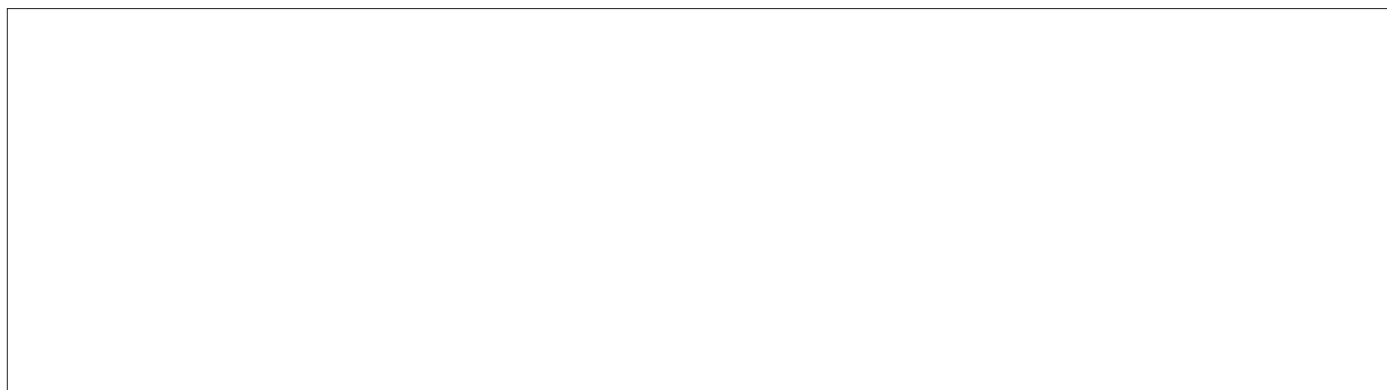
BLIZZARD
SERIES
TECH DATA

R404A LBP TECH DATA

CONDENSING UNIT	COMPRESSOR					FAN		AIR VOLUME M ³ /H	CONNECTIONS			UNIT DIMENSIONS			WEIGHT kg	dB (A) @3m
	MODEL	VOLTAGE	HP	DISP (CC)	MRA	AMPS	DIA (MM)		LIQUID	SUCTION	DISCHARGE	W	D	H		
GPB048-3L	NTZ48-4	415V	1.8	48.06	4.8	1 X .42	1 X 300	1600	3/8"	5/8"	1/2"	705	700	500	51	61
GPB068-3L	NTZ68-4	415V	2.3	67.89	8.4	1 X .67	1 X 350	2280	3/8"	5/8"	1/2"	705	700	550	67	62
GPB096-3L	NTZ96-4	415V	3.3	96.13	10.1	2 X .42	2 X 300	3200	3/8"	3/4"	1/2"	960	700	500	80	64
GPB108-3L	NTZ108-4	415V	3.7	107.71	12.1	2 X .42	2 X 300	3180	3/8"	7/8"	5/8"	960	700	500	89	64
GPB136-3L	NTZ136-4	415V	4.2	135.78	14.3	2 X .67	2 X 350	4580	1/2"	7/8"	5/8"	1210	850	550	89	64
GPB215-3L	NTZ215-4	415V	7.3	215.44	22.3	2 X .88	2 X 400	5800	1/2"	1-1/8"	3/4"	1210	850	650	150	66
GPB271-3L	NTZ271-4	415V	8.3	271.55	27	2 X .88	2 X 400	5720	1/2"	1-1/8"	3/4"	1210	850	650	150	66

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For more information visit us at www.glacierpro.com or contact your local distributor.



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