

Medium Temperature

Low Temperature

Model	Freeblock FB7G TN R290	Freeblock FB13G TN R290	Freeblock FB16G TN R290	Freeblock FB20G TN R290	Freeblock FB26G TN R290	Freeblock FB6N BT R290	Freeblock FB13N BT R290	Freeblock FB20N BT R290	Freeblock FB28N BT R290
Supply voltage	220V/1/50Hz					220V/1/50Hz			
Cooling capacity (W) [1]	1192	1543	2x 1022	2x 1192	2x 1543	907	2x 606	2x 694	2x 907
Absorbed power (W) [1]	513	736	2x 444	2x 513	2x 736	684	2x 411	2x 474	2x 684
Absorbed current (A) [1]	2,37	3,97	4,62	4,74	7,94	3,79	4,00	4,56	7,58
Maximum absorbed power (W) [2]	1056	1330	1623	1837	2426	1474	1697	1963	2714
Panel width (mm)	800					800			
Panel height (mm)	400					400			
Ø Liquid diameter (mm)	6	6	6	6	6	6	6	6	6
Ø Suction diameter (mm)	8	10	8	8	10	10	8	8	10
Weight (Kg)	76	80	89	120	144	72	82	107	129
Compressor	NEU6217U	NT6222U	2x NEU6214U	2x NEU6217U	2x NT6222U	NT2210U	2x NEU2168U	2x NEU2178U	2x NT2210U
Displacement (cm³)	14,28	20,44	2x 12,11	2x 14,28	2x 20,44	27,8	2x 16,80	2x 18,70	2x 27,80
Type	Ermetico Embraco					Ermetico Embraco			
Lubrificant	ESTER / ISO22					ESTER / ISO22			
Refrigerant	R290					R290			
Standard quantity (Kg)	0,14	0,14	2x 0,15	2x 0,15	2x 0,13	0,15	2x 0,11	2x 0,14	2x 0,13
Condensator	COIL D= 5 mm					COIL D= 5 mm			
Fin spacing (mm)	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5
Nr. of rows	2	2	4	4	4	2	4	4	4
Frontal area (m²)	0,144	0,144	0,144	0,144	0,144	0,144	0,144	0,144	0,144
Condensator fan	MA-VIB					MA-VIB			
Quantity / diameter	1X254/27°	1X254/31°	2X254/27°	2X254/27°	2X254/31°	1X254/31°	1X254/31°	2X254/27°	2X254/31°
Supply voltage	220V/1/50Hz					220V/1/50Hz			
RMP	1350					1350			
Volumetric air quantity (m³/h) [3]	580	660	1.160	1160	1320	660	660	1160	1320
Nominal power (W)	36	48	72	72	96	48	48	72	96
Absorb. during op'n (A)	0,21	0,27	0,42	0,42	0,54	0,27	0,27	0,42	0,54
Evaporator	COIL D= 7 mm					COIL D= 7 mm			
Fin spacing (mm)	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5	4,5
Nr. of rows	3	4	4	4	5	3	4	4	5
Frontal area (m²)	0,128	0,128	0,128	0,128	0,186	0,128	0,128	0,128	0,186
Evaporator fan	MA-VIB					MA-VIB			
Quantity / diameter	1X300/27°	1X300/27°	1X300/27°	1X300/27°	2X254/31°	1X300/27°	1X300/27°	1X300/27°	2X254/31°
Supply voltage	220V/1/50Hz					220V/1/50Hz			
RMP	1350					1350			
Volumetric air quantity (mc/h)	970	970	970	970	1940	970	970	970	1940
Nominal power (W)	55	55	55	55	96	55	55	55	96
Absorb. during op'n (A)	0,33	0,33	0,33	0,33	0,54	0,33	0,33	0,33	0,54
Option									
kit press. compr. HP	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
Plug-in 2P+T IP66/67 32A 6H	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
Panel thickness 60 mm	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	//	//	//	//
Panel thickness 100 mm	OPZ	OPZ	OPZ	OPZ	OPZ	STANDARD	STANDARD	STANDARD	STANDARD

[1] CATALOGO EMBRACO ASPERA; CONDIZIONI EN12900 Te=-10°C/Tc=+45°C TEMP.GAS. ASP. 20°C - SOTTORAFF. 0K - T AMB. COMPR. 32°C (per NE/NEK TEMP. GA Te=-35°C/Tc=+45°C TEMP.GAS. ASP. 20°C - SOTTORAFF. 0K - T AMB. COMPR. 32°C (per NE/NEK TEMP. GAS AS

[2] POTENZA MAX COMPRESSORE ALLE CONDIZIONI ASHRAE: Te=7,2°C/Tc=+54,4°C TEMP.GAS. ASP. 35°C - SOTTORAFF. 8,3K - T AMB. COMPR. 35°C

Te=-23,3°C/Tc=+54,4°C TEMP.GAS. ASP. 32,2°C - SOTTORAFF. 22,2K - T AMB. COMPR. 32,2°C

[3] PORTATE CALCOLATE A 40 Pa

(*)Test Condition: ASHRAE, Fan, Return Gas 32.2°C, Evaporating: -23.3°C, Condensing: 54°C, Ambient: 32.2°C, Liquid: 32.2°C LT-30/+45°C