



UPDATED
MODELS

TECHNICAL BULLETIN

UPDATED REFRIGERANT OPTIONS FOR FUSION RECIPROCATING CONDENSING UNITS



J & E Hall now introduce new reciprocating medium and low temperature models operating on R448A/R449A and R452A, which directly replace current models listed below.

MEDIUM TEMPERATURE

Current model	New Model	Part Number	R452A				R448A & R449A			
			Cooling capacity (Watts) @ Te				Cooling capacity (Watts) @ Te			
			-15	-10	-5	0	-15	-10	-5	0
JEHR-0150-B2-M-1	JEHR-0170-B2-M-1	N04120140	1904	2417	3005	3681	1869	2399	3010	3715
JEHR-0150-B2-M-3	JEHR-0170-B2-M-3	N04120141	1931	2423	2981	3618	1892	2399	2980	3645

Duties in watts at 32°C ambient at 10K SH / 0K SC conditions

LOW TEMPERATURE

Current model	New Model	Part Number	R452A				R448A & R449A			
			Cooling capacity (Watts) @ Te				Cooling capacity (Watts) @ Te			
			-35	-30	-25	-20	-35	-30	-25	-20
JEHR-0175-B2-L-1	JEHR-0180-B2-L-1	N04120142	888	1257	1676	2183	937	1372	1911	2569
JEHR-0175-B2-L-3	JEHR-0180-B2-L-3	N04120143	912	1315	1813	2415	846	1247	1743	2351
JEHR-0225-B2-L-1	JEHR-0210-B2-L-1	N04120144	1279	1839	2523	3342	1221	1790	2491	3339
JEHR-0225-B2-L-3	JEHR-0210-B2-L-3	N04120145	1228	1753	2394	3162	1170	1701	2354	3145

Duties in watts at 32°C ambient at 10K SH / 0K SC conditions

NEW MODEL SPECIFICATIONS

Part Number	Unit Model	Compressor Model	Phase	Electrical Data			SPL @ 10m dB(A)	Unit Connections		Dry Weight (kgs)	Dimensions (mm) WxDxH	Mounting Dimensions (mm) W x D
				NC	MCC	LRC		Liquid	Suction			
N04120140	JEHR-0170-B2-M-1	CAJ4519Z	1	7.0	15.2	45.0	33	3/8	5/8	68	1101 x 444 x 662	703 x 408
N04120141	JEHR-0170-B2-M-3	TAJ4519Z	3	3.7	4.8	22.0	33	3/8	5/8	68		
N04120142	JEHR-0180-B2-L-1	FH2480Z-XC3A	1	6.7	12.0	65.0	35	3/8	5/8	81		
N04120143	JEHR-0180-B2-L-3	FH2480Z-XG1A	3	3.1	6.4	31.0	35	3/8	5/8	80		
N04120144	JEHR-0210-B2-L-1	FH2511Z-XC3A	1	7.3	24.0	71.0	38	3/8	5/8	83		
N04120145	JEHR-0210-B2-L-3	FH2511Z-XG1A	3	4.0	8.3	60.0	38	3/8	5/8	81		

NC = Nominal Current at -10°Cte/+32°Cta and -35°Cte/+32°Cta conditions.

MCC = Maximum Continuous Current

LRC = Locked Rotor Current

Sound Pressure Level (SPL) measured in an anechoic room: -10°Cte/+32°Cta (MT) and -25°Cte/+32°Cta (LT).

Alternative conditions may produce different results