

CONDENSER FAN MOTORS

48-Frame, Permanent Split Capacitor, TEAO

APPLICATION:

Designed for standard replacement on air conditioning condenser units

FEATURES:

- Class B Insulation
- Self Aligning Sleeve Bearings
- UL Recognized (E330892)
- 60Hz Operation
- Rotation: Reversible
- Mounting: Belly band
- Ambient temperature: 60°C
- RoHS Compliant
- Automatic thermal protection
- Drain holes with plugs on each end
- Power leads 30", capacitor leads 30"
- Water slinger included
- Capacitor not included (see table below for matching capacitor)



Motor Specifications

Mfg #	HP	Volts	RPM /Speed	F/L Amps	Shell Length "XI" (in.)	Shaft Diameter (in.)	Shaft Length "N" (in.)	Wt. Lbs.	Capacitor Size (370V Mfd)	Capacitor to Match	Order #
81279	1/6	208-230	1075/1	1.2	4.1	0.5	4	8.7	12.5	G22-730	S81-279
81280	1/4	208-230	1075/1	1.4	4.3	0.5	4	10.6	12.5	G22-730	S81-280
81281	1/3	208-230	1075/1	1.7	4.8	0.5	4	12.9	12.5	G22-730	S81-281
81282	1/2	208-230	1075/1	2.5	5.6	0.5	4	16.7	15.0	G21-897	S81-282
81283	3/4	208-230	1075/1	3.9	5.8	0.5	4	20.4	15.0	G21-897	S81-283
81284*	1/3-1/6	208-230	1075/1	1.8	4.6	0.5	4	12.3	10.0	G21-891	S81-284
81285*	1/2-1/6	208-230	1075/1	2.6	5.6	0.5	4	16.7	15.0	G21-897	S81-285

*NOTE: See next page for additional performance data for multi-HP models.

Cross Reference Information**

Parallel Mfg #	Parallel JS SKU	Wagner	Emerson	A.O. Smith	Marathon	Fasco	Mars/GE
81279	S81-279	WG840727	1859 (S89-018)	FSE1016SV1 (S88-830)	N/A	N/A	3727 (S88-928)
81280	S81-280	WG840728	1860 (S88-501)	FSE1026SV1 (S88-710)	X213 (S88-428)	D909 (S88-894)	3728 (S88-748)
81281	S81-281	WG840729	1861 (S88-502)	FSE1036SV1 (S88-711)	X214 (S88-429)	D908 (S88-895)	3729 (S88-749)
81282	S81-282	WG840730	1862 (S88-503)	FSE1056SV1 (S88-712)	X221 (S88-430)	D907 (S88-896)	3730 (S88-750)
81283	S81-283	WG840731	1868 (S89-019)	FSE1076SV1 (S89-706)	N/A	D929 (S88-901)	3731 (S88-751)
81284	S81-284	WG840465	5458 (S89-577)	ORM5458 (S80-348)	N/A	N/A	N/A
81285	S81-285	WG840468	5465 (S89-409)	FE6002 (S89-739)	N/A	N/A	N/A

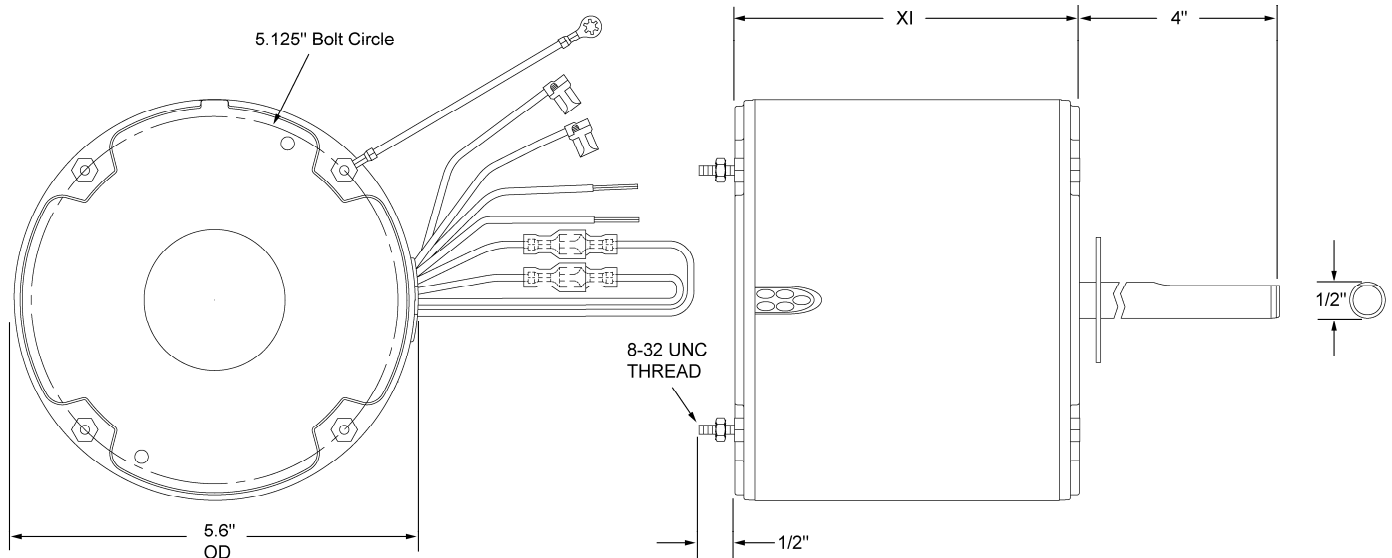
**NOTE: Cross reference lists similar models only and does not imply exact performance match. This is not a comprehensive cross-reference. Johnstone SKU, if applicable, is noted in ().

Attachment A

***Additional Performance Specifications for Multi-HP Models:**

Mfg #	HP	Volts	RPM /Speed	F/L Amps	Shell Length "X1" (in.)	Shaft Diameter (in.)	Shaft Length "N" (in.)	Wt. Lbs.	Capacitor Size (370V Mfd)	Capacitor to Match	Order #
81284	1/3	208-230	1075/1	1.8	4.6	0.5	4	12.3	10.0	G21-891	S81-284
	1/4	208-230	1075/1	1.5	4.6	0.5	4	12.3	10.0	G21-891	
	1/5	208-230	1075/1	1.4	4.6	0.5	4	12.3	10.0	G21-891	
	1/6	208-230	1075/1	1.3	4.6	0.5	4	12.3	10.0	G21-891	
81285	1/2	208-230	1075/1	2.6	5.6	0.5	4	16.7	15.0	G21-897	S81-285
	1/3	208-230	1075/1	2.0	5.6	0.5	4	16.7	15.0	G21-897	
	1/4	208-230	1075/1	1.8	5.6	0.5	4	16.7	15.0	G21-897	
	1/5	208-230	1075/1	1.7	5.6	0.5	4	16.7	15.0	G21-897	

Mounting Dimensions



- ◆ Multi-HP models have Rheem side-shell mounting holes.
- ◆ Additional Product Features on Page 3.

KEY FEATURES

60 °C Rating

Superior temperature tolerance

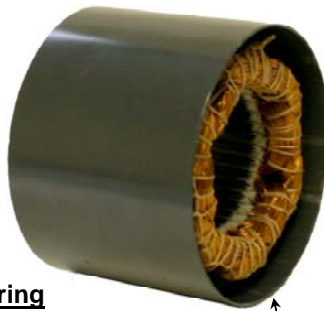
Quick Reversing Leads

Use in any orientation



Self Aligning Sleeve Bearing

More resistant to contamination than babbitt sleeve bearings
Large oil reservoir gives longer life

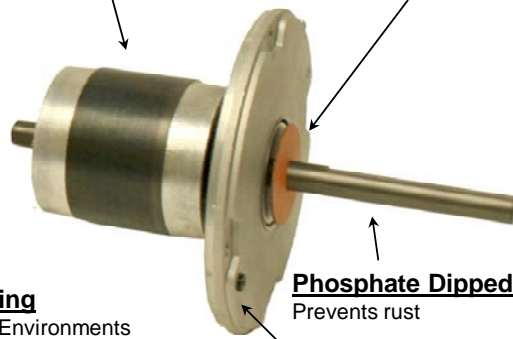


Varnish Dipped Winding

Long life in High Humidity Environments

Special Treated Rotor

Superior corrosion resistance



Large Water Slinger

Prevents lubricant washout

Phosphate Dipped Shaft

Prevents rust

Polished Steel Thrust Washers

Increased thrust carrying capability

Drain Plugs in both End Shields

Allows Moisture to drain from motor extending motor life

UL Recognized For ALL 3 Categories:
Construction, Protection, & Insulation System