

## 661XL

**MOTORS****661XL Air-Cooled Heat Exchanger Motor**

Petrochemical processing engineers often use API-661 and IEEE-841 specifications to define the reliability they desire for their air-cooled heat exchanger drive motors. This tough application and these demanding specifications require a "systems" approach to power-train component selection. Baldor engineers have applied their extensive electro-mechanical expertise to this application and are pleased to introduce the Reliance™ 661XL Air Cooled Heat Exchanger Motor.

The Reliance 661XL has all the premium mechanical and electrical features of our IEEE-841XL motor proven to provide long life in the severe environments common to refineries and chemical plants:

**Designed for Customer Convenience**

- Lead lugs on all leads
- UL Ground lug
- Alemite grease fittings
- Automatic grease reliefs
- Maximum Surface Temperature Nameplate
- Special Motor data nameplate

**Designed to Perform**

- Nema premium efficiencies with Class B temperature rise
- Class F & H non-hydroscopic insulation materials
- Sound power levels 90 DBA and lower
- 1600 volt insulation system suitable for operation on inverter power, 6-60 Hz, variable torque

**PLUS:**

- Drive-End Cylindrical Roller Bearings used to meet the minimum bearing life requirements of API 661.
- 661XL Warranty is 5 years from date code or 4 years from installation
- Shaft down (W6) 460 vac, 1800 rpm ratings in STOCK
- Shaft up (W8) model numbers available as stock modifications
- Optional enclosures and accessories available to meet special project specifications
- Thermally protected Inverter Service Div 2 ratings meeting 2005 NEC Code available from production
- Two-Speed, single or two winding, variable torque designs available through production.

✓ Aggregate/Cement

Food

✓ Mining

✓ Forest/Paper

✓ Petro/Chem

Unit/Baggage Handling

✓ HVAC/Industrial Air Handling

✓ Environmental/Fluid Power

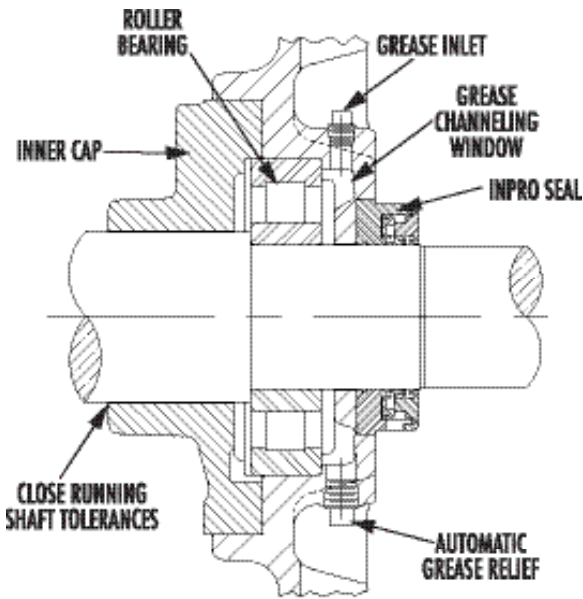
Automotive

Metals

**Designed to Last**

- Durable cast iron frame, end shields, conduit box and fan cover
- Oversized conduit box with gasketed cover
- Lead separator gasket between conduit box and frame
- Inpro bearing isolators on each end for maximum bearing protection
- RTV sealed end shield-to-frame fits
- Epoxy coated rotor, stator and frame interior for maximum moisture protection
- Stainless steel T-drain in lower end shield only
- Upper drain hole plugged to prevent water entry
- PLS open bearing lubrication system assures effective relubrication
- Cast iron bearing inner caps protect interior side of bearings from contamination and prevent lubricant flow into motor interior
- Inner cap bolts, gasketed with special washers to prevent water entry
- Rotor dynamically balanced to exceed IEEE 841 peak velocity specification

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For long life and superior protection, the 661XL features the exclusive Positive Lubrication System (PLS), which channels grease directly into the bearing track. Inpro seals protect the bearings on both ends from contamination. Roller bearings on the drive end assure compliance with the API661 bearing life requirement of 40,000 hours.

All Reliance 661XL motors 7.5hp through 75hp include drive end roller bearings!

Ask your Baldor Sales Engineer for Power-Matched Reliance Motors, Dodge Belt Drives and Mounted Bearings for your next Air-Cooled Heat Exchanger project.

HP	Synch rpm	Voltage	Frame	Enclosure	Model number	Normally stocked	Mtg
5	1800	460	L184T	TEFC	P18G3452	YES	W6
	1800	460	L184T	TEFC	HM417437	YES	W8
	1500	380	L184T	TEFC	P18G3453	N	W6
7.5	1800	460	213T	TEFC	P21G3402	YES	W6
	1800	460	213T	TEFC	HM417436	YES	W8
	1500	380	213T	TEFC	P21G3403	N	W6
10	1800	460	L215T	TEFC	P21G3400	YES	W6
	1800	460	L215T	TEFC	HM417435	YES	W8
	1500	380	L215T	TEFC	P21G3401	N	W6
15	1800	460	254T	TEFC	P25G3409	YES	W6
	1800	460	254T	TEFC	HM417434	YES	W8
	1500	380	254T	TEFC	P25G3411	N	W6
20	1800	460	256T	TEFC	P25G3410	YES	W6
	1800	460	256T	TEFC	HM417433	YES	W8
	1500	380	256T	TEFC	P25G3412	N	W6
25	1800	460	284T	TEFC	P28G3410	YES	W6
	1800	460	284T	TEFC	HM417432	YES	W8
	1500	380	284T	TEFC	P28G3412	N	W6
30	1800	460	286T	TEFC	P28G3411	YES	W6
	1800	460	286T	TEFC	HM417431	YES	W8
	1500	380	286T	TEFC	P28G3413	N	W6
40	1800	460	324T	TEFC	P32G3418	YES	W6
	1800	460	324T	TEFC	HM417430	YES	W8
	1500	380	324T	TEFC	P32G3420	N	W6
50	1800	460	326T	TEFC	P32G3419	YES	W6
	1800	460	326T	TEFC	HM417429	YES	W8
	1500	380	326T	TEFC	P32G3421	N	W6
60	1800	460	364T	TEFC	P36G3368	YES	W6
	1800	460	364T	TEFC	HM417428	YES	W8
	1500	380	364T	TEFC	P36G3370	N	W6
75	1800	460	365T	TEFC	P36G3369	YES	W6
	1800	460	365T	TEFC	HM417427	YES	W8
	1500	380	365T	TEFC	P36G3371	N	W6

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This material is not intended to provide operational instructions. Appropriate instruction manuals and precautions should be studied prior to installation, operation or maintenance of equipment.