



Customer information packet

09L373Z430H2

15HP, 1760RPM, 3PH, 60HZ, 254T, 0940M, TEFC, F1

Class - None

Division - Not Applicable

Specifications

Enclosure	TEFC
Frame	254T
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	None
Haz Area Division	Not Applicable
Motor Letter Type	Three Phase
Output @ Frequency	15.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 230.0 V @ 60 HZ 208.0 V @ 60 HZ
Agency Approvals	CSA UR
Ambient Temperature	40 °C
Auxillary Box	No Auxillary Box
Auxillary Box Lead Termination	None
Base Indicator	RG
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	40.000 A @ 208.0 V 37.400 A @ 230.0 V 18.700 A @ 460.0 V
Design Code	C
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None

Part detail

Revision	E
Type	AC
Mech. spec.	09L373
Base	
Status	INA/A
Elec. spec.	09WGZ430
Layout	09LYL373
Eff. date	09-01-2020
CD Diagram	CD0005
Poles	04
Leads	9#12
Proprietary	False
Created date	07-17-2014

Heater Indicator	No Heater
High Voltage Full Load Amps	18.7 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	9 @ 12 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0940M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	23.36 IN
Power Factor	80
Product Family	WP Below Decks Marine Duty
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	1.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	Shaft Slinger
Speed	1760 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor

Nameplate

NP1261L									
CAT.NO.									
SPEC.	09L373Z430H2								
HP	15								
VOLTS	208-230/460								
AMP	40-37.4/18.7								
RPM	1760								
FRAME	254T	HZ		60	PH		3		
SER.F.	1.15	CODE	F	DES	C	CLASS	F		
NEMA-NOM-EFF	91	PF	80						
RATING	40C AMB-CONT								
CC	010A								
DE	6309	ODE		6208					
ENCL	TEFC	SN							

Parts list

Part number	Description	Quantity
SA284702	SA 09L373Z430H2	1.000 ea
RA270967	RA 09L373Z430H2	1.000 ea
09FN3001C01SP	EXTERNAL FAN, PLASTIC (COMES W/SCREW FRO	1.000 ea
09CB1002A03	CB 309 W/1.25 NPT LEAD HOLE	1.000 ea
09GS1006	GASKET, CONDUIT BOX, NEOP-1/16 THICK-BLA	1.000 ea
10XN2520K12	1/4-20 X.75 GRD 5	2.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	2.000 ea
09EP1100A14	FREP ASSM, (FOR INTRL ROUTING PURPOSE)	1.000 ea
WD1000B16	T&B CX70TN OR L70P TERMINAL LUG	1.000 ea
10XN2520K06	1/4-20 X 3/8" HX HD SCREWGRADE 5, ZINC P	1.000 ea
HW1001A25	LOCKWASHER 1/4, ZINC PLT .493 OD, .255 I	1.000 ea
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 ea
HW4600B44	V-RING SLINGER 1.500 X 1.810 X .28 VITON	1.000 ea
HA3400A33	STUD- 3/8-16 X 4.96 HEX	4.000 ea
XY3816A12	3/8-16 FINISHED NUT W/SERRATIONS	4.000 ea
HW5100A08	W3118-035 WVY WSHR (WB)	1.000 ea
HW4600B44	V-RING SLINGER 1.500 X 1.810 X .28 VITON	1.000 ea
10XN2520K28	1/4-20 X 1.75" HX HD SCRWGRADE 5, ZINC P	2.000 ea
09EP1101A11SP	PU ENDPLATE, MACH	1.000 ea
10XN2520K36	1/4-20 X 2.25" HX HD SCRWGRADE 5, ZINC P	4.000 ea
10XN3816K28	3/8-16 X 1.75 HEX HD CAP SCREW, GRADE 5	4.000 ea
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 ea
09FH4000SP	309 FH - BLACK PRIMER	1.000 ea
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 ea
12CB1500A01	CONDUIT BOX LID, MACH	1.000 ea
12GS1002	GASKET, CONDUIT BOX LID, NEOP	1.000 ea
10XN3118K24	5/16-18 X 1.50" HEX HD, GRADE 5	2.000 ea
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 ea
HW2501G25	KEY, 3/8 SQ X 2.875	1.000 ea
MJ5001A27	32220KN GRAY SEALER *MIN BUY 4 QTS=1GAL	0.031 qt
MJ5001A14	DYNAPRO SEALANT, CP MTR VC#2508050 (603	0.023 ea

MJ5002A01	SILICON RUBBER SEALANT, 732CL 10.3 OZ TU	0.025 ea
LB1002N	LABEL,MARINE DUTY (ON ROLLS)	1.000 ea
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 ea
HW4500A05	1669B ALEM/UNIV860 GR FTG X	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 ea
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 ea
MJ1000A02	GREASE, POLYREX EM EXXON	0.080 lb
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 ea
HW4500A17	317400 ALEMITE GREASE RELIEF	1.000 ea
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 ea
HA4054	SHORT T-DRAIN FITTING, .125" N.P.T.	1.000 ea
HW2500A25	WOODRUFF KEY USA #1008 #BLOW CARBON STEE	1.000 ea
MG1025N19	WILKOFAS, 778.50, RELIANCE BLUE-GREEN 8	0.050 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 ea
LC0005E01	SPL CONN.DIA./WARN.LABEL(LC0005/LB1119)	1.000 ea
NP1261L	SS, INDUSTRIAL MOTOR,UL,CC, LASER ETCHED	1.000 ea
09PA1000	PACKAGING GROUP COMBINED PRINT	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2400 bx)4/22	1.000 ea

Accessories

Part number	Description	Multiplier
09-1309	C FACE KIT	A8

AC Induction Motor Performance Data

Record # 36442

Typical performance - not guaranteed values

Winding: 09WGZ430-R002			Type: 0940M		Enclosure: TEFC	
Nameplate Data				460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		15		Full Load Torque		44.5 LB-FT
Volts		208-230/460		Start Configuration		direct on line
Full Load Amps		40-37.4/18.7		Breakdown Torque		123 LB-FT
R.P.M.		1760		Pull-up Torque		76 LB-FT
Hz	60	Phase	3	Locked-rotor Torque		95.3 LB-FT
NEMA Design Code		C	KVA Code	F	Starting Current	
Service Factor (S.F.)		1.15		No-load Current		7.72 A
NEMA Nom. Eff.		91	Power Factor	80	Line-line Res. @ 25°C	
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		62°C
S.F. Amps				Temp. Rise @ S.F. Load		76°C
				Locked-rotor Power Factor		40
				Rotor inertia		1.74 LB-FT2

Load Characteristics 460 V, 60 Hz, 15 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	46	68	77	82	83	83	83
Efficiency	85.8	90.7	91.5	91.4	90.5	89.1	90.9
Speed	1790	1781	1771	1762	1749	1735	1754
Line amperes	8.87	11.4	15.1	18.7	23.3	28.4	21.5

ABB Motors and Mechanical Inc.

WINDING # 09WGZ430

Typical performance - not guaranteed values.

15 HP 3 PH 60 HZ 1760 RPM 460 V 0940M

TORQUES (LB-FT): PO=123 PU=76 LR=95.3 LRA=103





