ABB BALDOR RELIANCE

Customer information packet

RHM665A

1.5HP, 1140RPM, 3PH, 60HZ, 56H, 1932M, OPSB, F1

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Specifications

Enclosure	OPAO
Frame	56H
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	1.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ
	230.0 V @ 60 HZ
	208.0 V @ 60 HZ
Agency Approvals	CE
	CSA
	UR
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Resilient
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	2.600 A @ 460.0 V
	5.200 A @ 230.0 V
	5.300 A @ 208.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	78.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Terminal Panel
Front Shaft Indicator	None
Heater Indicator	No Heater

Part Detail

Revision	P
Type	AC
Mech. spec.	19K017
Base	
Status	NLA/A
Elec. spec.	19WGW069
Layout	19LYK017
Eff. date	11-08-2019
CD Diagram	CD0007
Poles	06
Leads	12#18
Proprietary	False
Created date	01-01-0001

High Voltage Full Load Amps	2.6 a
Insulation Class	F
Inverter Code	Not Inverter
KVA Code	K
Lifting Lugs	No Lifting Lugs
Locked Bearing Indicator	No Locked Bearing
Motor Lead Exit	Terminal Panel Or Lead Hole
Motor Lead Quantity/Wire Size	12 @ 18 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	1932M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	13.92 IN
Power Factor	70
Product Family	General Purpose
Pulley End Bearing Type	Ball
Pulley Face Code	Resilient Mount
Pulley Shaft Indicator	Standard
Rodent Screen	None
RoHS Status	ROHS COMPLIANT
Service Factor	1.15
Shaft Diameter	0.625 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1140 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	Automatic Thermal Overload

Winding Thermal 1 Location	ES
Winding Thermal 2	None

Nameplate

NP1986A27									
CAT.NO.	RHM665A			**ENCL**	OPAO				
SPEC.	19K017W069			**FRAME**	56H				
HP	1.5 AIR OVER								
VOLTS	208-230/460								
AMPS	5.3-5.2/2.6								
RPM	1140								
HZ	60	**PH**	3	**CL**	F				
SER.F.	1.15	**DES**	B	**CODE**	K				
FL EFF	78.5	**PF**	70						
RATING	40C AMB-CONT								
SF AMP						**USABLE AT 208V**	N/A		
SER.									
MANUAL	N	**AUTO**	Y	**NONE**	N				
BLANK									

AC Induction Motor Performance Data
Record # 61256
Typical performance - not guaranteed values

Winding: 19WGW069-R002	**Type:** 1932M	**Enclosure:** OPAO

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			1.5 AIR OVER	**Full Load Torque**	6.83 LB-FT
Volts			208-230/460	**Start Configuration**	direct on line
Full Load Amps			5.3-5.2/2.6	**Breakdown Torque**	22.8 LB-FT
R.P.M.			1140	**Pull-up Torque**	18.2 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	20.8 LB-FT
NEMA Design Code	B	**KVA Code**	K	**Starting Current**	16.2 A
Service Factor (S.F.)			1.15	**No-load Current**	1.82 A
NEMA Nom. Eff.	78.5	**Power Factor**	70	**Line-line Res. @ 25ºC**	12.7 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	77°C
S.F. Amps				**Temp. Rise @ S.F. Load**	90°C
				Locked-rotor Power Factor	57.7
				Rotor inertia	0.19 LB-FT2

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**	**S.F.**
Power Factor	30	47	62	69	75	78	73
Efficiency	65.1	76.1	78.5	78.5	76.7	74.1	77.4
Speed	1190	1178	1164	1149	1130	1110	1138
Line amperes	1.85	2	2.2	2.6	3	3.5	2.84

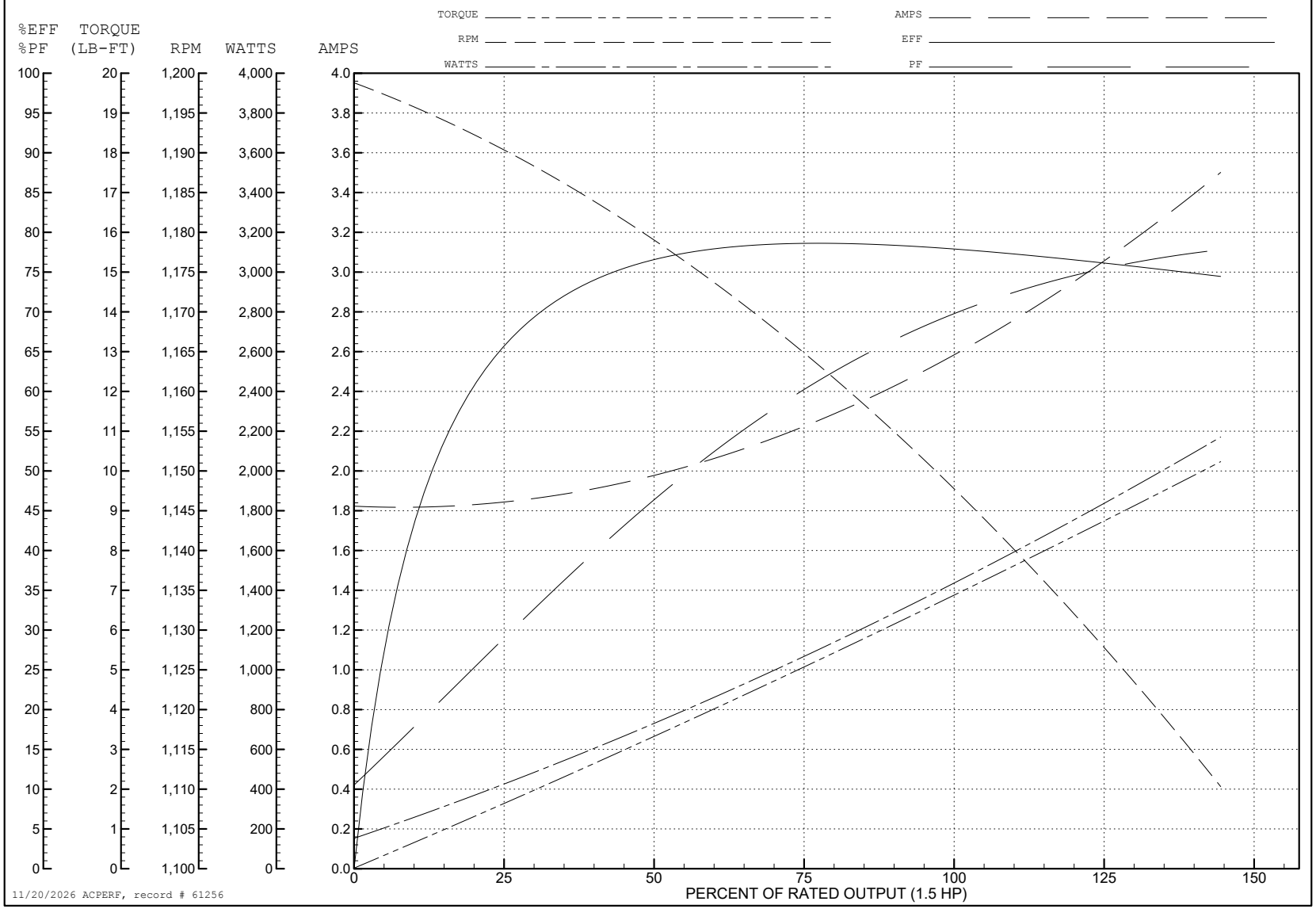
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WINDING # 19WGW069

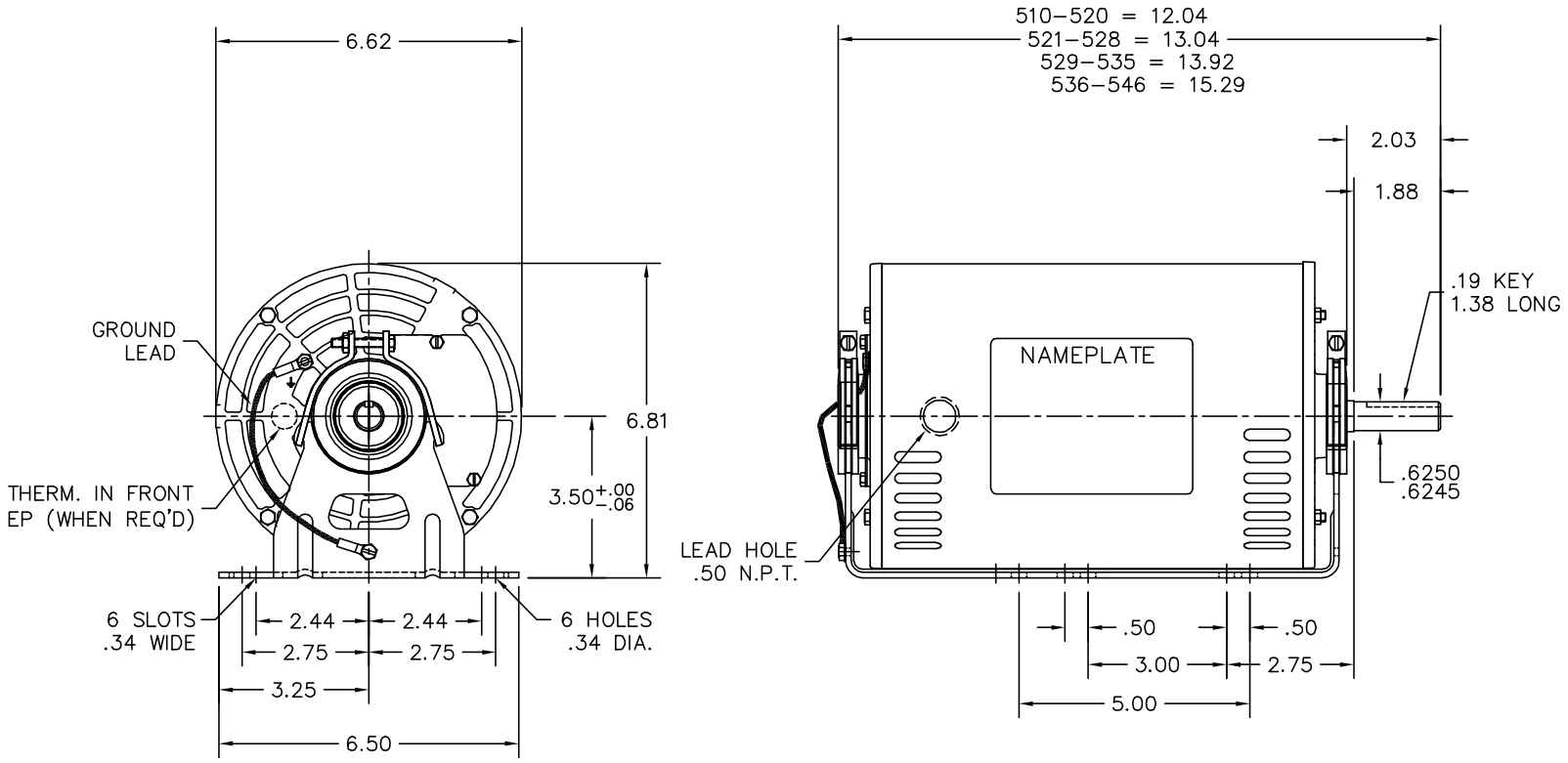
1.5 HP 3 PH 60 HZ 1140 RPM 460 V 1932M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=22.8 PU=18.2 LR=20.8 LRA=16.2



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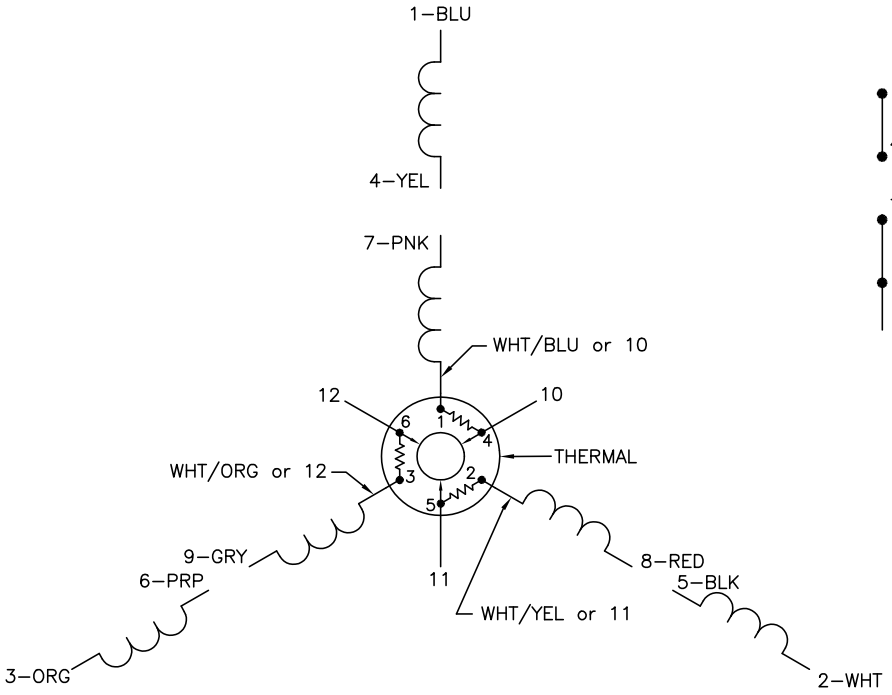


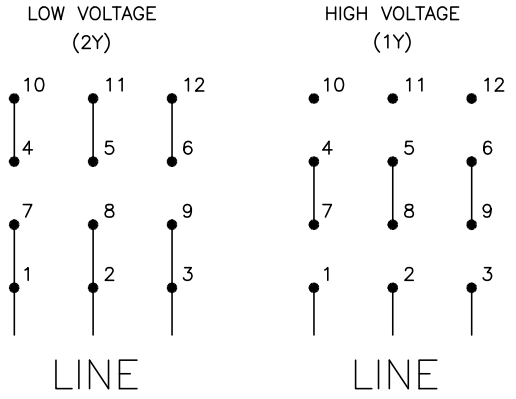
19LYK017

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT MOTOR PERFORMANCE IS SUITABLE IN THE APPLICATION.

REV. DESC: CHG'D DESC TO OPAO PER DOUG THRIFT			BALDOR • DODGE • RELIANCE
REV. LTR: B	VERSION: 01	TDR: 000000446188	
19LYK017	FILE: \AAA\00093\964	REVISED: 13:18:43 10/16/2007	RESIL 56/56H OPAO 19M W/TERM PLATE
	MTL: –	BY: ENTERD0	

CD0007





NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY VARY.
3. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

REV. DESC: ADDED "CK" PLANT CODE			BALDOR ELECTRIC Co.
REV. LTR: E	BY: EAH	REVISED: 05/06/99 17:1	TDR: 0181040
CD0007		FILE: AAA00008370	MDL: –
		MTL: –	3PH, DV, THERMAL, 12 LEADS

CD0007