

BALDOR® • RELIANCE 

Product Information Packet

FPM2546T-2/4

60HP,3520RPM,3PH,60HZ,326TS,4062M,ODP,F1

Part Detail							
Revision:	D	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	40WGX331	CD Diagram:	CD0104	Mfg Plant:	
Mech. Spec:	40H07	Layout:	40LYH007	Poles:	02	Created Date:	01-22-2016
Base:	RG	Eff. Date:	08-22-2018	Leads:	12#8		

Specs			
Catalog Number:	FPM2546T-2/4	Inverter Code:	Not Inverter
Enclosure:	ODP	KVA Code:	G
Frame:	326TS	Lifting Lugs:	Standard Lifting Lugs
Frame Material:	Steel	Locked Bearing Indicator:	No Locked Bearing
Output @ Frequency:	60.000 HP @ 60 HZ	Motor Lead Quantity/Wire Size:	12 @ 8 AWG
Synchronous Speed @ Frequency:	3600 RPM @ 60 HZ	Motor Lead Exit:	Ko Box
Voltage @ Frequency:	200.0 V @ 60 HZ	Motor Lead Termination:	Flying Leads
	400.0 V @ 60 HZ	Motor Type:	4062M
Agency Approvals:	UL	Mounting Arrangement:	F1
	CSA EEV	Power Factor:	89
Auxillary Box:	No Auxillary Box	Product Family:	Fire Pump Motor
Auxillary Box Lead Termination:	None	Pulley End Bearing Type:	Ball
Base Indicator:	Rigid	Pulley Face Code:	Standard
Bearing Grease Type:	Polyrex EM (-20F +300F)	Pulley Shaft Indicator:	Standard
Blower:	None	Rodent Screen:	None
Current @ Voltage:	156.000 A @ 200.0 V	Shaft Extension Location:	Pulley End
	78.000 A @ 400.0 V	Shaft Ground Indicator:	No Shaft Grounding
Design Code:	B	Shaft Rotation:	Reversible

Drip Cover:	No Drip Cover	Shaft Slinger Indicator:	No Slinger
Duty Rating:	CONT	Speed Code:	Single Speed
Electrically Isolated Bearing:	Not Electrically Isolated	Motor Standards:	NEMA
Feedback Device:	NO FEEDBACK	Starting Method:	Wye Start - Delta Run
Front Face Code:	Standard	Thermal Device - Bearing:	None
Front Shaft Indicator:	None	Thermal Device - Winding:	None
Heater Indicator:	No Heater	Vibration Sensor Indicator:	No Vibration Sensor
Insulation Class:	F	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP3454L											
CAT.NO.	FPM2546T-2/4			CUST P/N				I.P.	23		
SPEC.	40H007X331H2			SER.NO.				FRAME	326TS		
HZ	60	HP	60	RPM	3520	HZ		HP		RPM	
VOLTS	200/400			CODE	G	VOLTS				CODE	
AMPS	156/78			DES	B	AMPS				DES	
EFF	93	SER.F.	1.15	PF	89	EFF				SER.F.	
RATING	40C AMB-CONT			DE BRG	6312	GREASE	POLYREX EM				
BLANK				ODE BRG	6309	MTR. WT.	390				
				CLASS	F	PH	3				
				ENCL	ODP	CC	010A				
HTR-VOLTS		HTR-AMPS		HTR-WATTS							

Parts List		
Part Number	Description	Quantity
SA314273	SA 40H007X331H2	1.000 EA
RA301749	RA 40H007X331H2	1.000 EA
HA6361A01	LIFTING LUG FOR 37, 39 & 40 FRAME ZINC	2.000 EA
HA6017	CAST ADAPTER, 40,42 KOBX	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	2.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	2.000 EA
WD1000B25	GND LUG, BURNDY L125HP OR T&B L125HP-BB	1.000 EA
19XW3118G08	.31-18X.50,HEX WSHR HD,TAPTITE 2,GREEN	1.000 EA
10CB3001	CONDUIT BOX CAST W/2.500 LEAD HOLE	1.000 EA
19XW3118A12	.31-18 X .75 HEX WASHER HEAD TAPTITE II	4.000 EA
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 EA
40EP3200A02	STD FREP OPEN 309 BRG	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW5100A11	W3917-042 WVY WSHR (WB)	1.000 EA
40EP3201A01	PU ENDPLATE, MACH - OPEN - FOR 312 BRG	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
XY3816A12	3/8-16 FINISHED NUT	8.000 EA
10CB3500SP	CONDUIT BOX LID, CAST	1.000 EA
51XW2520A12	.25-20 X .75, TAPTITE II, HEX WSHR SLTD	4.000 EA
HW2501H18	KEY, 1/2 SQ X 2.000	1.000 EA
LB1115N	LABEL,LIFTING DEVICE (ON ROLLS)	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
MJ1000A02	GREASE, MOBIL POLYREX EM - 124047	0.050 LB
HW4500A03	GREASE FITTING, .125 NPT 1610(ALEMITE) 8	1.000 EA
HW4500A20	1/8NPT SL PIPE PLUG	1.000 EA
HA4051A00	PLASTIC CAP FOR GREASE FITTING	1.000 EA
HA3159A08	THRUBOLT- .38-16 X 20.00 LONG STUD	4.000 EA
MG1025R44	WILKOFAS, 784.109, CARMINE RED #3002	0.050 GA
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	2.000 EA
40AD2002B01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
40AD2002B01	LEXAN BAFFLE 40 FR OPEN	1.000 EA
LB1119N	WARNING LABEL	1.000 EA
LC0104A01	CONNECTION DIAGRAM	1.000 EA
NP3454L	ALUM FIRE PUMP MOTOR(LEGACY/BALDOR ONLY)	1.000 EA
40PA1000	PACKAGING GROUP	1.000 EA

AC Induction Motor Performance Data

Record # 55055 - Typical performance - not guaranteed values

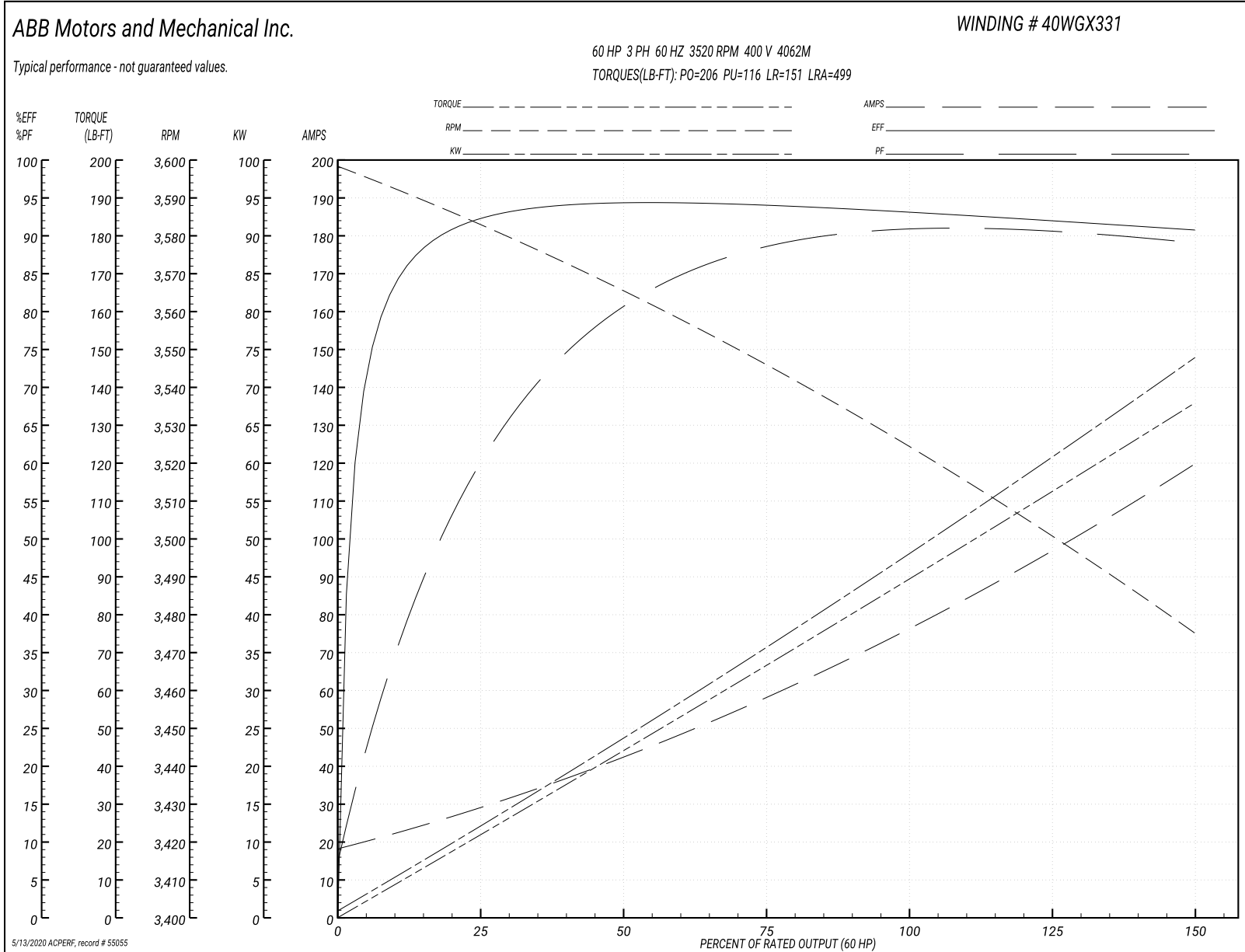
Winding: 40WGX331-R001	Type: 4062M	Enclosure: OPSB
-------------------------------	--------------------	------------------------

Nameplate Data				400 V, 60 Hz: High Voltage Connection	
Rated Output (HP)	60			Full Load Torque	89.6 LB-FT
Volts	200/400			Start Configuration	direct on line
Full Load Amps	156/78			Breakdown Torque	206 LB-FT
R.P.M.	3520			Pull-up Torque	116 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	151 LB-FT
NEMA Design Code	B	KVA Code	G	Starting Current	499 A
Service Factor (S.F.)	1.15			No-load Current	19.6 A
NEMA Nom. Eff.	93	Power Factor	89	Line-line Res. @ 25°C	0.0859 Ω
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	47°C
S.F. Amps				Temp. Rise @ S.F. Load	58°C
				Locked-rotor Power Factor	22.1
				Rotor inertia	2.66 LB-FT ²

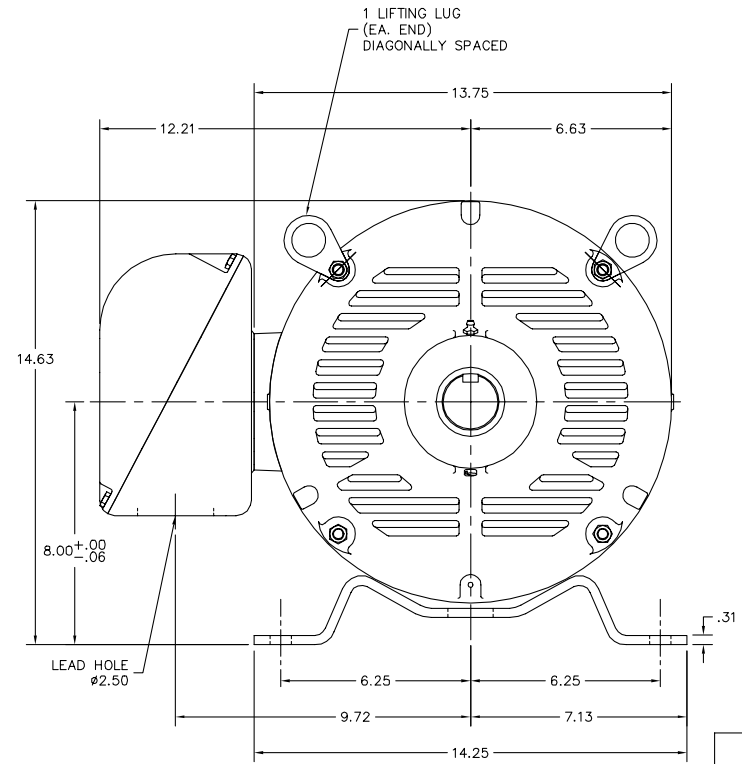
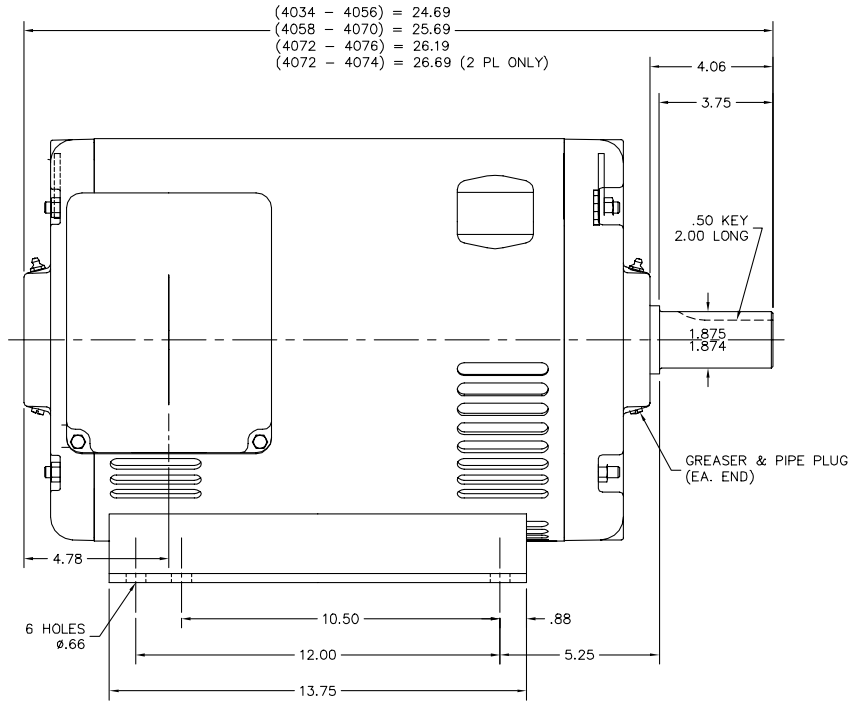
Load Characteristics 400 V, 60 Hz, 60 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	65	83	88	89	90	90	90
Efficiency	91.8	94	94	93.2	92.4	90.6	92.7
Speed	3582	3565	3546	3524	3502	3474	3511
Line amperes	27.5	41.6	58.5	77.8	97.8	119	89.8

Performance Graph at 400V, 60Hz, 60.0HP Typical performance - Not guaranteed values



40L.YH007



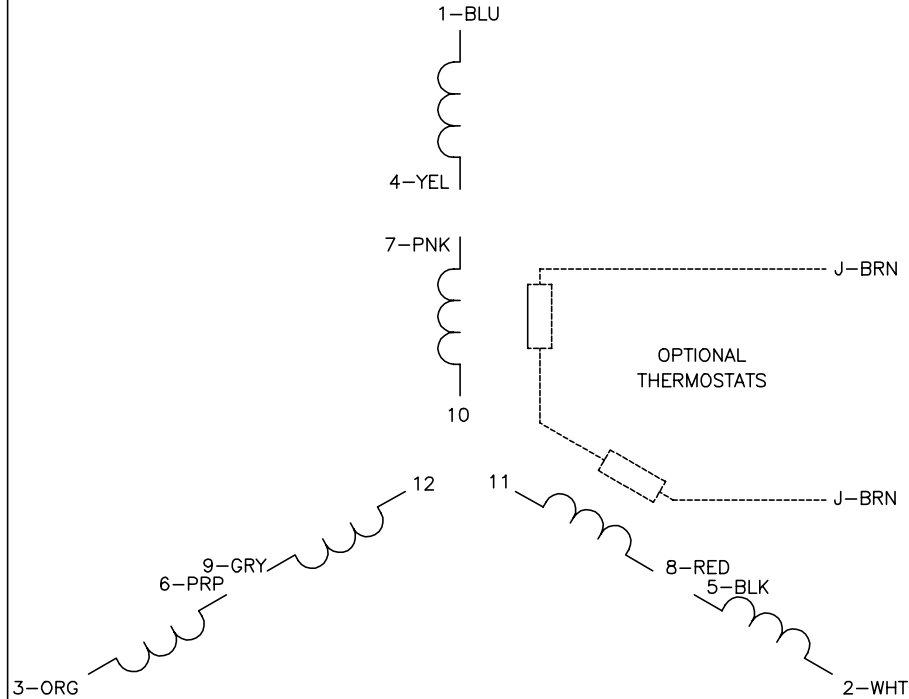
40L.YH007

CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT BALDOR'S PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION.

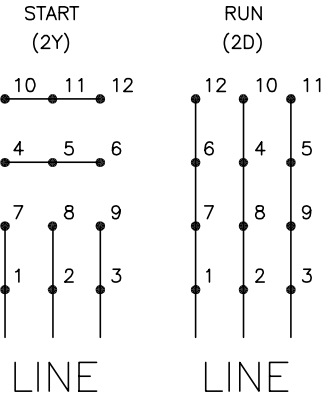
REV. DESC: UPDATED DESCRIPTION		
REV. LTR: M	VERSION: 06	TDR: 000000855149
FILE: \AAA\00008\628	REVISED: 11:27:19 05/23/2014	BY: ENNINDO
MTL: -		

BALDOR
 HORZ OPSB 324-6TS
 SH 1 of 1

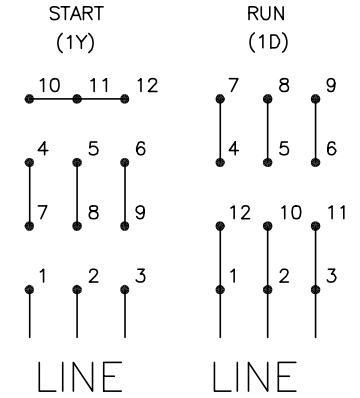
CD0104



LOW VOLTAGE



HIGH VOLTAGE



NOTES:

1. INTERCHANGE ANY TWO LINE LEADS TO REVERSE ROTATION.
2. OPTIONAL THERMOSTATS ARE PROVIDED WHEN SPECIFIED.
3. ACTUAL NUMBER OF INTERNAL PARALLEL CIRCUITS MAY BE A MULTIPLE OF THOSE SHOWN ABOVE.
4. LEAD COLORS ARE OPTIONAL. LEADS MUST ALWAYS BE NUMBERED AS SHOWN.

CD0104

REV. DESC: ADD CLASS CONN00000007		
REV. LTR: D	VERSION: 01	TDR: 000001099922
FILE: \AAA\00008\377	REVISED: 09:02:55 02/19/2019	BY: ENBRIRO
MTL: -	© □	

BALDOR - RELIANCE®

3PH, DV, 12 LEADS, Y START/D RUN

SH 1 of 1

Marketing maintained PDF of MN416:

[MN416?ManNumber=MN416](#)