

BALDOR • RELIANCE

Customer information packet

FPM2555TS-2/4

100HP, 1775RPM, 3PH, 60HZ, 404TS, 4462M, OPSB

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Specifications

Enclosure	OPSB
Frame	404TS
Frame Material	Steel
Frequency	60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	100.000 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1800 RPM @ 60 HZ
Voltage @ Frequency	200.0 V @ 60 HZ 400.0 V @ 60 HZ
Agency Approvals	CSA EEV UL
Ambient Temperature	40 °C
Auxiliary Box	NO AUXILLARY BOX
Auxiliary Box Lead Termination	None
Base Indicator	Rigid
Bearing Grease Type	Polyrex EM (-20F +300F)
Blower	None
Current @ Voltage	135.000 A @ 400.0 V 270.000 A @ 200.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	135.0 a
Insulation Class	F
Inverter Code	Not Inverter

Part detail

Revision	D
Type	AC
Mech. spec.	44E277
Base	
Status	PRD/A
Elec. spec.	44WGW363
Layout	44LYE277
Eff. date	10-31-2024
CD Diagram	CD0104
Poles	04
Leads	12#6
Proprietary	False
Created date	03-17-2017

KVA Code	F
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Motor Lead Exit	Ko Box
Motor Lead Quantity/Wire Size	12 @ 6 AWG
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	4462M
Mounting Arrangement	F1
Number of Poles	4
Overall Length	31.85 IN
Power Factor	85
Product Family	Fire Pump Motor
Pulley End Bearing Type	Ball
Pulley Face Code	Standard
Pulley Shaft Indicator	Standard
Rodent Screen	None
Service Factor	1.15
Shaft Diameter	2.125 IN
Shaft Extension Location	Pulley End
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Shaft Slinger Indicator	No Slinger
Speed	1775 rpm
Speed Code	Single Speed
Starting Method	Wye Start - Delta Run
Thermal Device - Bearing	None
Thermal Device - Winding	None
Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP3454L

CAT.NO.	FPM2555TS-2/4	CUST P/N		I.P.	23
SPEC.	44E277W363H2	SER.NO.		FRAME	404TS
HZ	60	HP	100	RPM	1775
VOLTS	200/400	CODE	F	VOLTS	
AMPS	270/135	DES	B	AMPS	
EFF	94.1	SER.F.	1.15	PF	85
RATING	40C AMB-CONT	DE BRG	6313	GREASE	POLYREX EM
BLANK		ODE BRG	6312	MTR. WT.	597
		CLASS	F	PH	3
		ENCL	OPSB	CC	010A
HTR-VOLTS		HTR-AMPS		HTR-WATTS	

Parts list

Part number	Description	Quantity
SA335834	SA 44E277W363H2	1.000 ea
RA324061	RA 44E277W363H2	1.000 ea
HA6731	LIFTING LUG FOR 44 FRAME MOTORS.	2.000 ea
HA6648A01	CAST ADAPTER, 44 FRAME - NEMA 404-5 - MA	1.000 ea
19XW3816A12	.38-16 X .75 HEX WASHER HEAD TAPTITE II	2.000 ea
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	2.000 ea
18CB1001A110	KOBX,MACH 3.62 LD HL,3.88 MTG,.50 GND HL	1.000 ea
19XW3118A16	.31-18 HEX WASHER HEAD TAPTITE II 1.00 L	4.000 ea
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 ea
WD1000B53	TERMINAL BURNDY KPA34	1.000 ea
10XN5013K10	1/2-13 X .625 HEX HD, GRADE 5	1.000 ea
HW1001A50	LOCKWASHER 1/2, ZINC PLT,.879 OD, .509 I	1.000 ea
44EP1203A02	FREP, MACH	1.000 ea
HW5100A15	W4997-050 WVY WSHR (WB)	1.000 ea
10XN3816K48	3/8-16 X 3 HEX HD CAP SCREW,Z/P	4.000 ea
HW1001A38	LOCKWASHER 3/8, ZINC PLT .688 OD, .382 I	4.000 ea
44EP1203A01	PU ENDPLATE, MACH	1.000 ea
XY5013A12	NUT,1/2-13,HEX,STEEL,ZINCPLATED	8.000 ea
18CB1501A01	CONDUIT BOX LID, MODEL 318 OPEN	1.000 ea
10XN3118K16	5/16-18 X 1' GRADE #5, STL, ZINC PLATE	4.000 ea
HW1001A31	LOCKWASHER 5/16, ZINC PLT.591 OD, .319 I	4.000 ea
HW2501H24	KEY, 1/2 SQ X 2.750	1.000 ea
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
MJ1000A02	GREASE, POLYREX EM EXXON	0.030 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
MG1025R44	WILKOFAS, 784.109, CARMINE RED #3002	0.050 ga
85XU0407S04	4X1/4 U DRIVE PIN STAINLESS	4.000 ea

44AD2001A02	BAFFLE 44 OPEN,"X"=1.50, SLOTTED BAND MT	1.000 ea
44AD2001A02	BAFFLE 44 OPEN,"X"=1.50, SLOTTED BAND MT	1.000 ea
HA3175A03	THRUBOLT STUD 1/2-13 X 24.250 - GRADE 2	4.000 ea
LB1624	COMBINED WARNING LABEL, ISO/ANSI PICTOGR	1.000 ea
LC0104A01	CONNECTION DIAGRAM	1.000 ea
NP3454L	ALUM FIRE PUMP MOTOR(LEGACY/BALDOR ONLY)	1.000 ea
44PA2000	PKGP, CTN ID 42X34X25, STD BASE	1.000 ea
MN416A01	TAG-INSTAL-MAINT no wire (2500 bx)11/22	1.000 ea

AC Induction Motor Performance Data

Record # 54846

Typical performance - not guaranteed values

Winding: 44WGW363-R001		Type: 4462M	Enclosure: OPSB	
Nameplate Data		400 V, 60 Hz: High Voltage Connection		
Rated Output (HP)	100	Full Load Torque	295 LB-FT	
Volts	200/400	Start Configuration	direct on line	
Full Load Amps	270/135	Breakdown Torque	785 LB-FT	
R.P.M.	1775	Pull-up Torque	314 LB-FT	
Hz	60 Phase	3	Locked-rotor Torque	445 LB-FT
NEMA Design Code	B KVA Code	F	Starting Current	791 A
Service Factor (S.F.)		1.15	No-load Current	50.5 A
NEMA Nom. Eff.	94.1 Power Factor	85	Line-line Res. @ 25°C	0.0463 Ω
Rating - Duty	40C AMB-CONT		Temp. Rise @ Rated Load	53°C
S.F. Amps			Temp. Rise @ S.F. Load	63°C
			Locked-rotor Power Factor	25.7
			Rotor inertia	11.7 LB-FT ²

Load Characteristics 400 V, 60 Hz, 100 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	51	73	81	85	85	84	85
Efficiency	90.1	93.5	94.2	94.2	93.7	92.8	93.9
Speed	1794	1789	1783	1777	1771	1763	1773
Line amperes	59.1	79.2	106	135	168	205	155

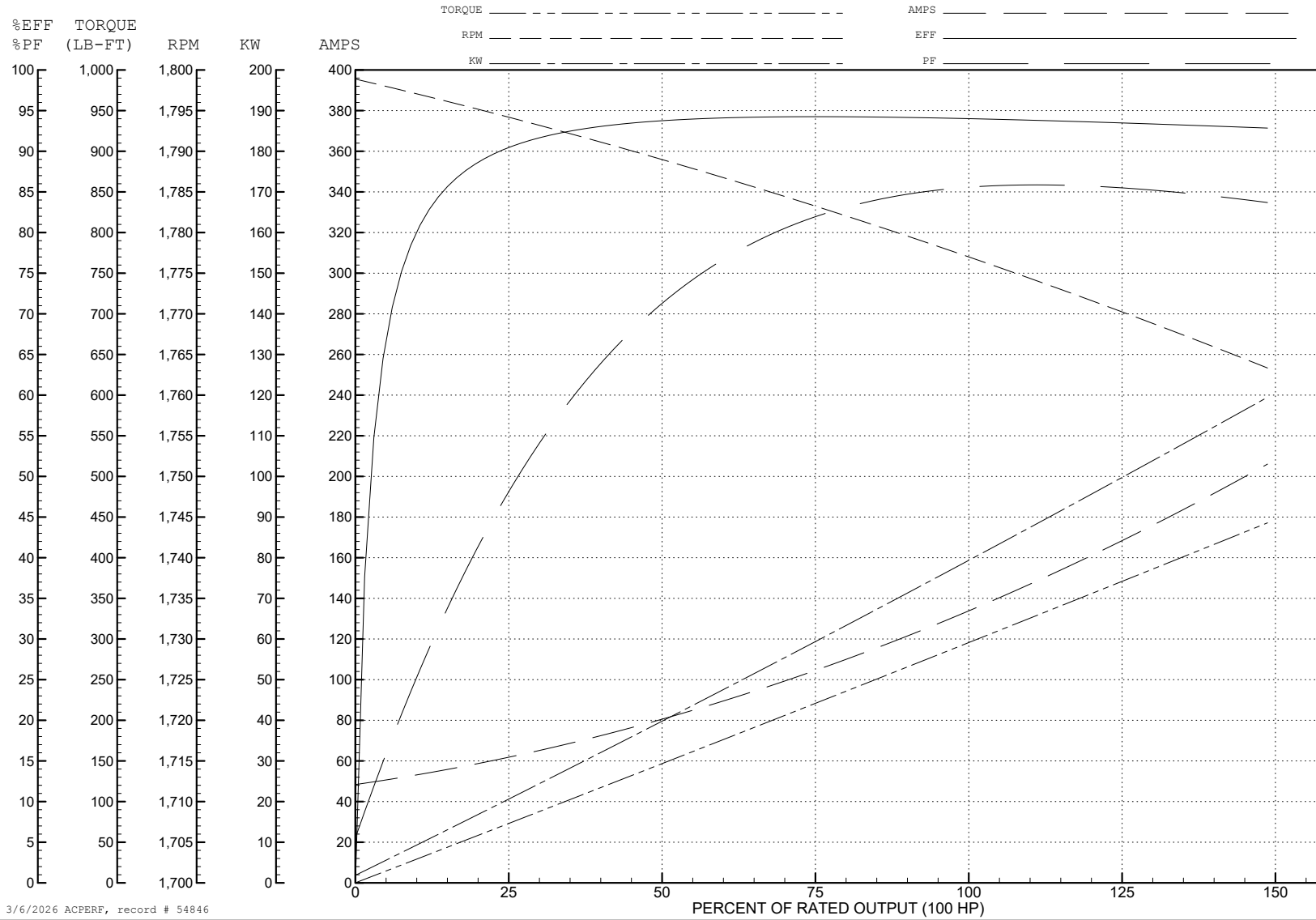
ABB Motors and Mechanical Inc.

WINDING # 44WGW363

Typical performance - not guaranteed values.

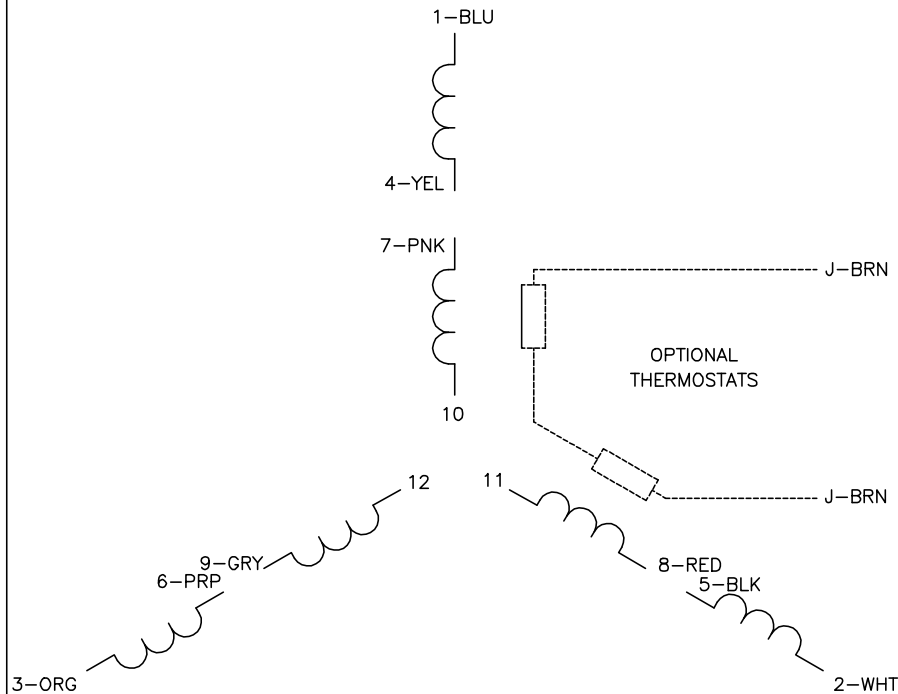
100 HP 3 PH 60 HZ 1775 RPM 400 V 4462M

TORQUES (LB-FT): PO=785 PU=314 LR=445 LRA=791



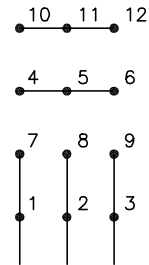
3/6/2026 ACPERF, record # 54846

CD0104



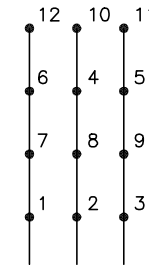
LOW VOLTAGE

START (2Y)



LINE

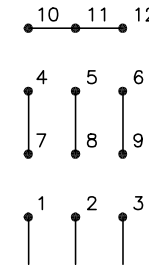
RUN (2D)



LINE

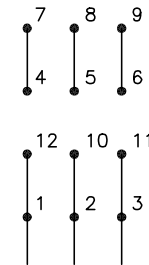
HIGH VOLTAGE

START (1Y)



LINE

RUN (1D)



LINE

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.

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FILE: \AAA\00008\377	REVISED: 09:02:55 02/19/2019	BY: ENBRIRO
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3PH, DV, 12 LEADS, Y START/D RUN

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