

ABB BALDOR RELIANCE III



Customer information packet

FPM2555TS

100//75HP, 1775//1475RPM, 3PH, 60//50HZ, 404

Specifications

Enclosure	OPSB
Frame	404TS
Frame Material	Steel
Frequency	50.00 Hz 60.00 Hz
Motor Letter Type	Three Phase
Output @ Frequency	100.000 HP @ 60 HZ 75.000 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1500 RPM @ 50 HZ
Voltage @ Frequency	230.0 V @ 60 HZ 190.0 V @ 50 HZ 460.0 V @ 60 HZ 380.0 V @ 50 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	252.000 A @ 208.0 V 234.000 A @ 230.0 V 214.000 A @ 190.0 V 117.000 A @ 460.0 V 107.000 A @ 380.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT
Efficiency @ 100% Load	94.1 %
Electrically Isolated Bearing	Not Electrically Isolated

Part Detail

Revision	N
Type	AC
Mech. spec.	44E020
Base	
Status	PRD/A
Elec. spec.	44WGW056
Layout	44LYE020
Eff. date	03-11-2026
CD Diagram	CD0104
Poles	04
Leads	12#6
Proprietary	False
Created date	09-17-2015

Feedback Device	NO FEEDBACK
Front Face Code	Standard
Front Shaft Indicator	None
Heater Indicator	No Heater
High Voltage Full Load Amps	107.0 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	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	1475 rpm 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	CUST P/N		I.P.	23
SPEC.	44E020W056H3	SER.NO.		FRAME	404TS
HZ	60	HP	100	RPM	1775
				HZ	50
				HP	75
				RPM	1475
VOLTS	230/460	CODE	F	VOLTS	190/380
				CODE	G
AMPS	234/117	DES	B	AMPS	214/107
				DES	B
EFF	94.1	SER.F.	1.15	PF	85
				EFF	93.6
				SER.F.	1.15
				PF	84
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	

ABB Motors and Mechanical Inc.

WINDING # 44WG056

100 HP 3 PH 60 HZ 1777 RPM 460 V 4462M

Typical performance - not guaranteed values.

TORQUES (LB-FT): PO=776 PU=310 LR=440 LRA=680

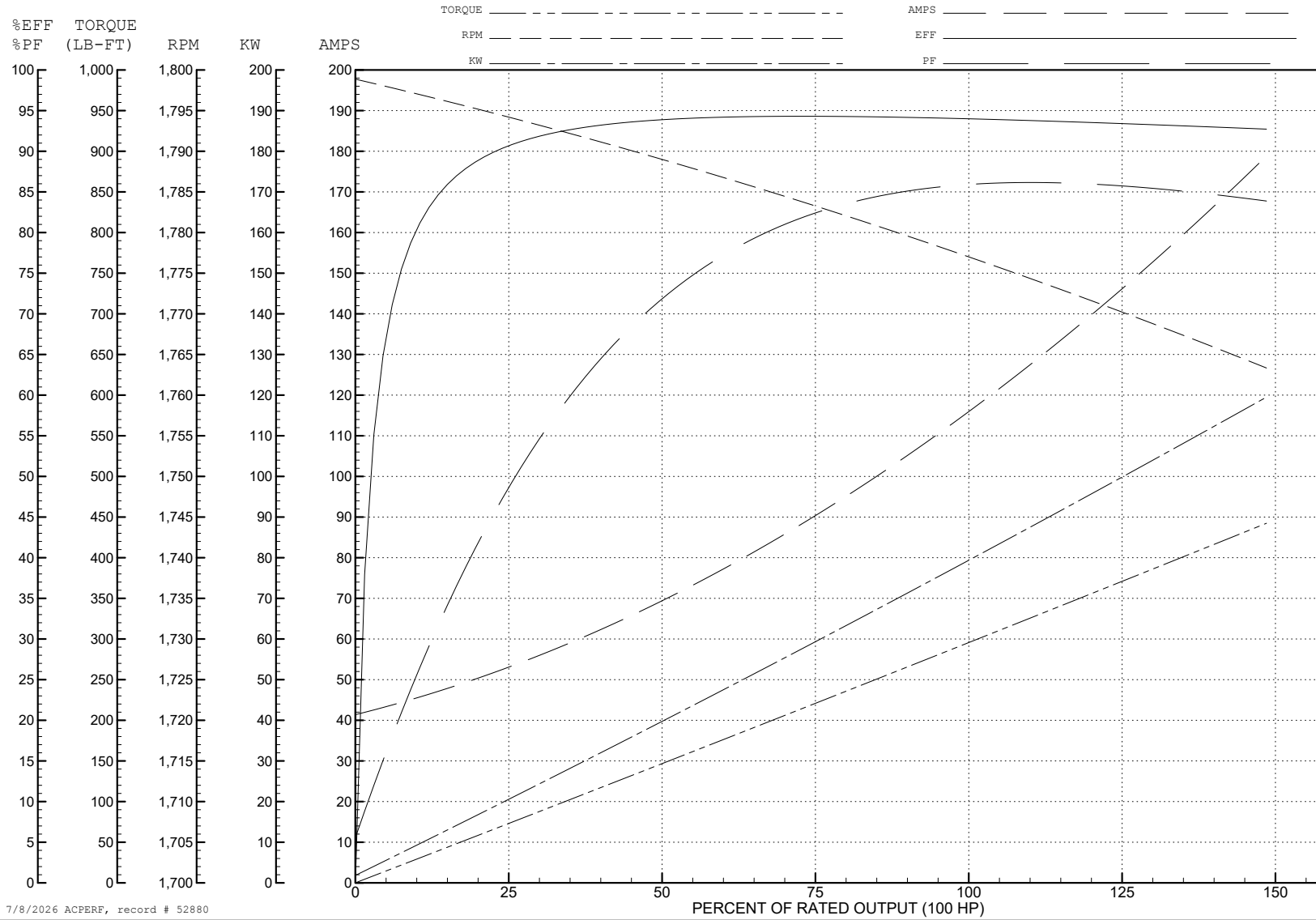


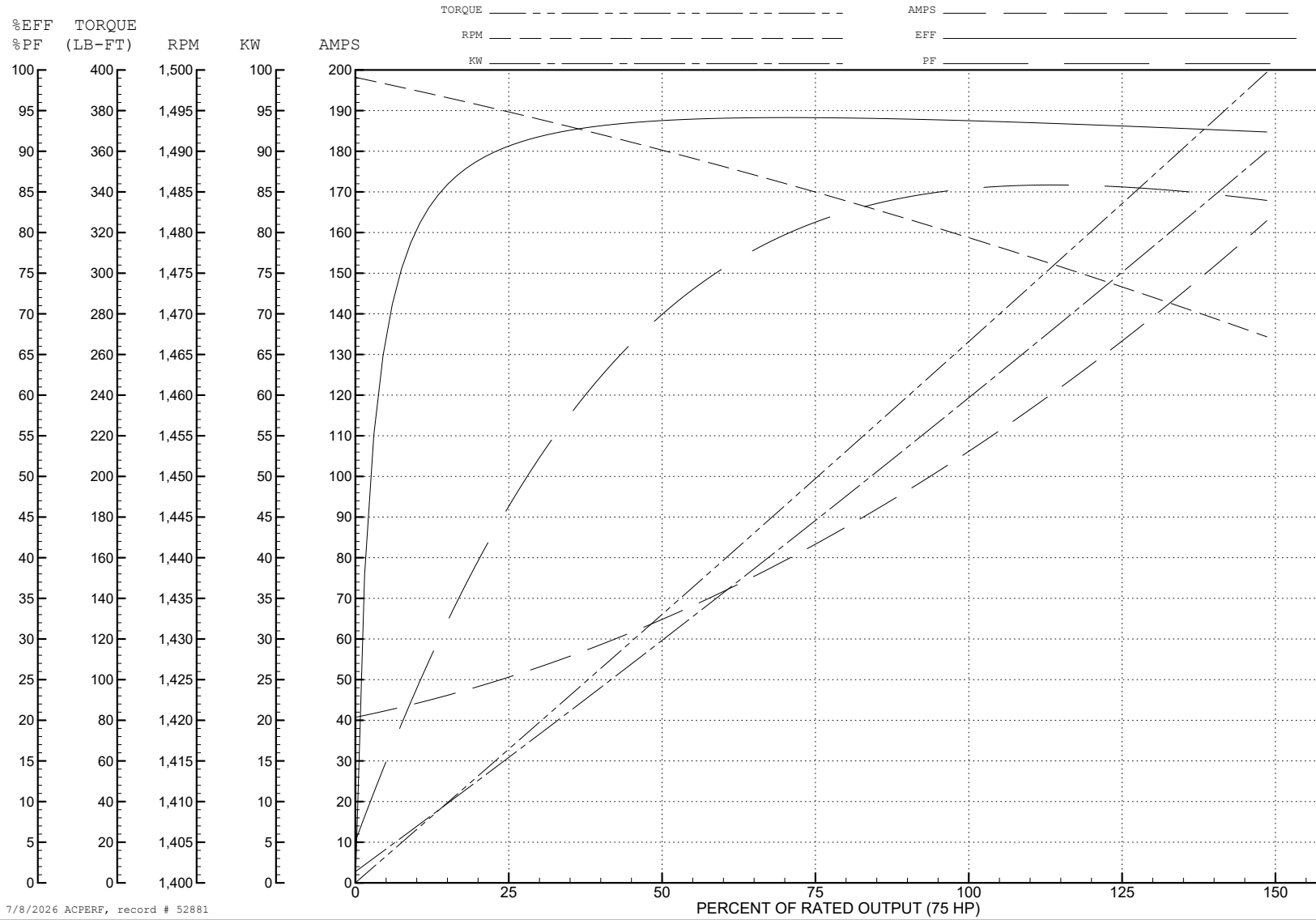
ABB Motors and Mechanical Inc.

WINDING # 44WGW056

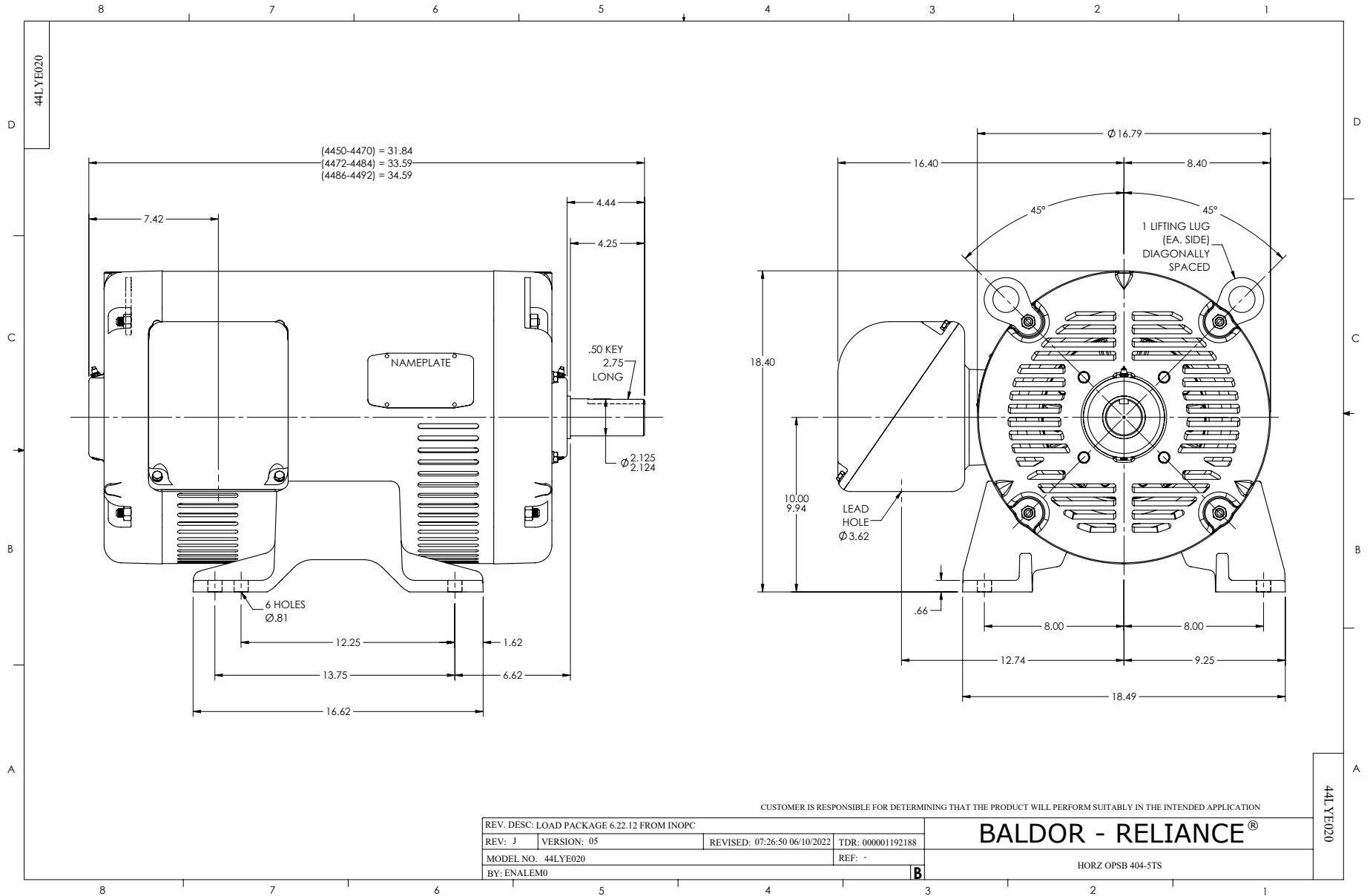
Typical performance - not guaranteed values.

75 HP 3 PH 50 HZ 1479 RPM 380 V 4462M

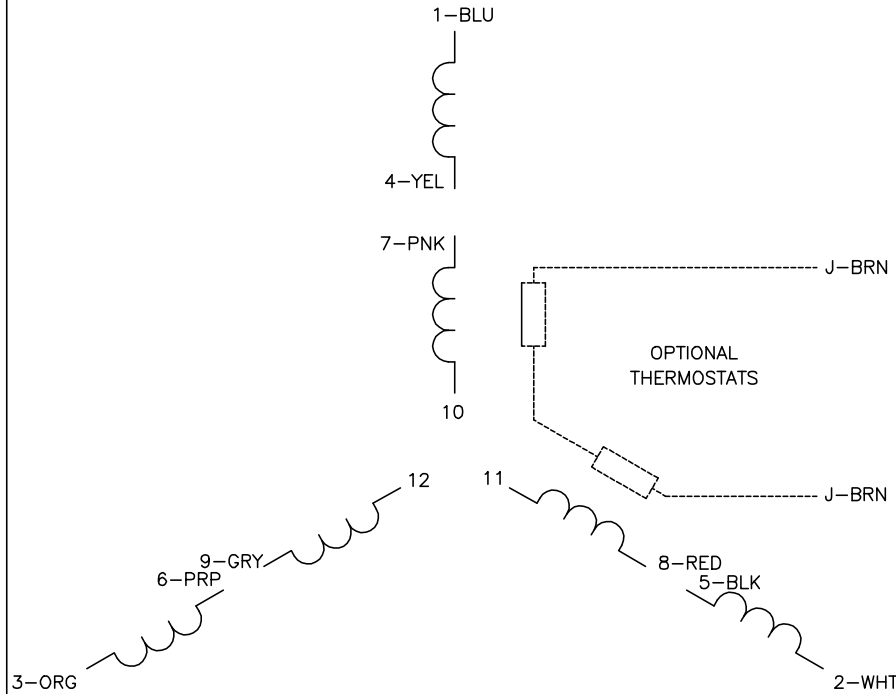
TORQUES (LB-FT): PO=752 PU=327 LR=464 LRA=667



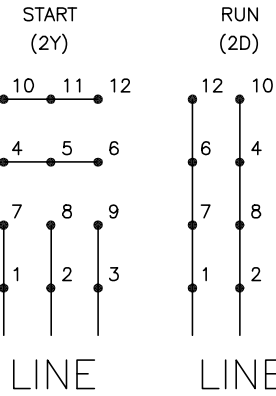
7/8/2026 ACPERF, record # 52881



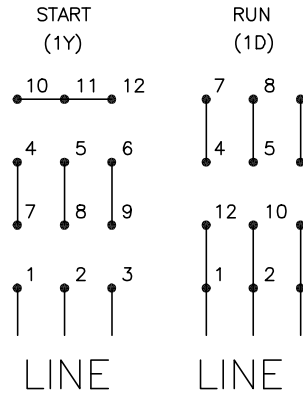
CD0104



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

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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

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