ABB BALDOR RELIANCE

Customer information packet

CPX25766T

7.5HP, 1180//980RPM, 3PH, 60HZ, 254TY, XPFC, F
Class - CLI GP C,D; CLII GP E,F,G
Division - Division I

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9/7/2026 10:56:58 AM

Specifications

Enclosure	XPFC
Frame	254TY
Frame Material	Iron
Frequency	60.00 Hz
Haz Area Class and Group	CLI GP C,D; CLII GP E,F,G
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	5.000 HP @ 50 HZ
	7.500 HP @ 60 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	380.0 V @ 50 HZ
	230.0 V @ 60 HZ
	460.0 V @ 60 HZ
	190.0 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
Constant Torque Speed Range	6
Current @ Voltage	9.600 A @ 380.0 V
	23.000 A @ 208.0 V
	22.000 A @ 230.0 V
	19.200 A @ 190.0 V
	11.000 A @ 460.0 V
Design Code	A
Drip Cover	No Drip Cover
Duty Rating	CONT

Part Detail

Revision	K
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	09WGT118
Layout	09LYM363
Eff. date	05-02-2024
CD Diagram	CD0005
Poles	06
Leads	9#12
Proprietary	False
Created date	04-25-2019

Efficiency @ 100% Load	91.0 %
Electrically Isolated Bearing	Not Electrically Isolated
Enclosure Modification	Severe Duty Features
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	9.6 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	IP55
KVA Code	J
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0954M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	25.75 IN
Power Factor	70
Product Family	Chemical Process Features
Pulley Face Code	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.00
Shaft Diameter	1.625 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1180 rpm
Speed Code	Single Speed
Starting Method	Direct on line
Thermal Device - Bearing	None
Thermal Device - Winding	Normally Closed Thermostat

Vibration Sensor Indicator	No Vibration Sensor
Winding Thermal 1	None
Winding Thermal 2	None

Nameplate

NP2033XPSLEV											
NO.				**CC**	010A						
S/N				**TEMP CODE**	T3C						
SPEC.	09-0000-1357			**INV.TYPE**	PWM						
CAT.NO.	CPX25766T			**C HP FR**	60	**C HP TO**	90				
HP	7.5//5			**CT HZ FROM**	6	**CT HZ TO**	60				
VOLTS	230/460//190/380			**VT HZ FROM**	6	**VT HZ TO**	60				
AMPS	22/11//19.2/9.6			**MAG CUR**							
RPM	1180//980			**MX RPM**	1800						
HZ	60//50	**PH**	3	**CL**	F	**NOM.EFF.**	91				
SER.F.	1.00	**DES**	A	**SL HZ**	1	**WK2**	4.34				
FRAME	254TY	**RATING**	40C AMB-CONT								
BLANK	55C AMB @ 1.00 SF, 60C RISE										
	1.15SF ON SINEWAVE				NEMA MG-1 PT.5,IP55						

AC Induction Motor Performance Data
Record # 57230
Typical performance - not guaranteed values

Winding: 09WGT118-R011	**Type:** 0954M	**Enclosure:** XPFC

Nameplate Data				**460 V, 60 Hz: High Voltage Connection**	
Rated Output (HP)			7.5	**Full Load Torque**	33.3 LB-FT
Volts			230/460	**Start Configuration**	direct on line
Full Load Amps			22/11	**Breakdown Torque**	106 LB-FT
R.P.M.			1180	**Pull-up Torque**	41.4 LB-FT
Hz	60	**Phase**	3	**Locked-rotor Torque**	62.8 LB-FT
NEMA Design Code	A	**KVA Code**	J	**Starting Current**	75.7 A
Service Factor (S.F.)			1	**No-load Current**	5.97 A
NEMA Nom. Eff.	91	**Power Factor**	70	**Line-line Res. @ 25ºC**	0.895 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	41°C
				Locked-rotor Power Factor	25.8
				Rotor inertia	4.34 LB-FT2

Load Characteristics 460 V, 60 Hz, 7.5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	34	53	64	70	74	75
Efficiency	81.3	88	89.6	89.7	89.4	88.3
Speed	1196	1192	1187	1183	1177	1171
Line amperes	6.46	7.57	9.19	11.2	13.3	15.9

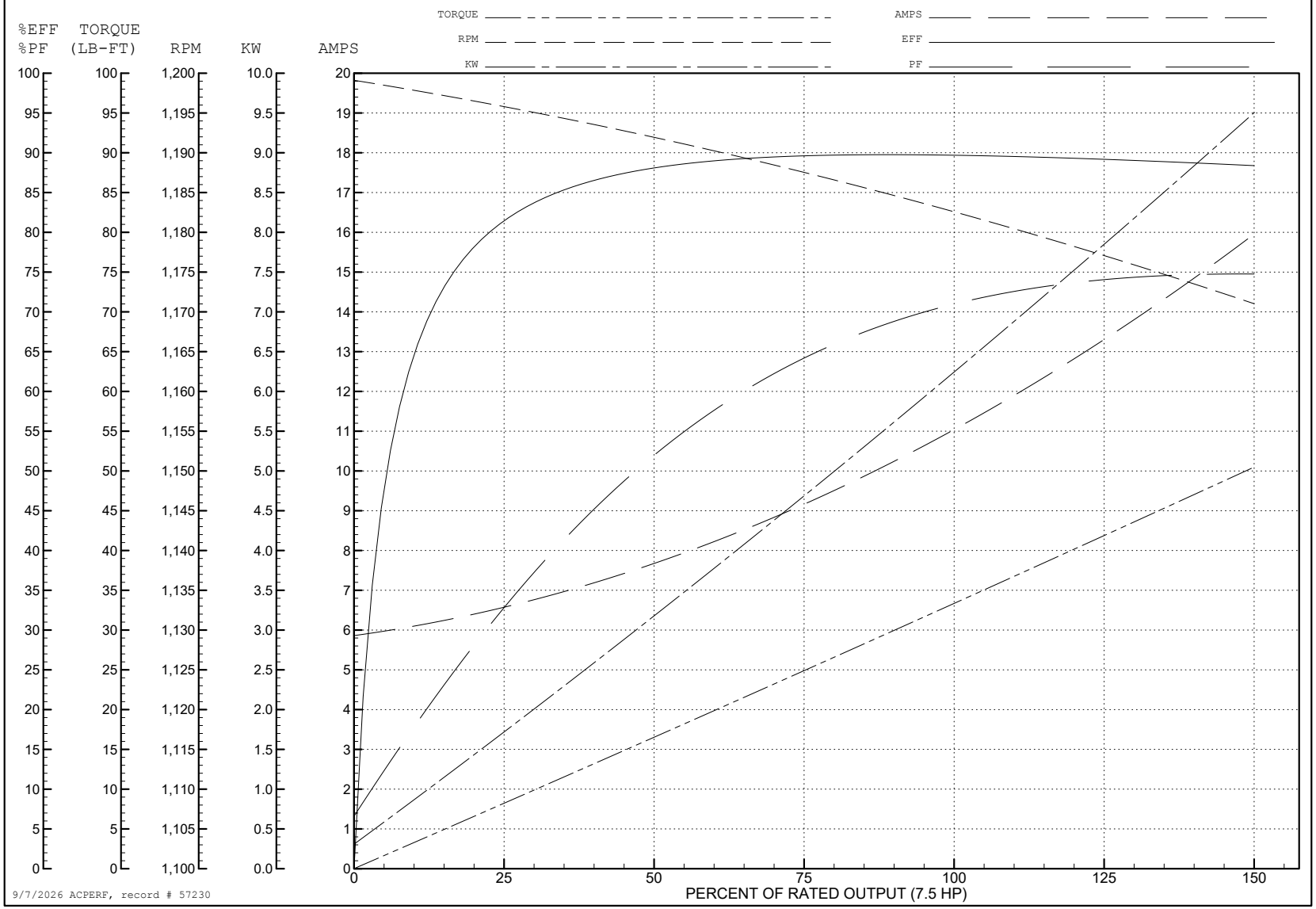
ABB Motors and Mechanical Inc.

WINDING # 09WGT118

7.5 HP 3 PH 60 HZ 1180 RPM 460 V 0954M

Typical performance - not guaranteed values.

TORQUES(LB-FT): PO=106 PU=41.4 LR=62.8 LRA=75.7



AC Induction Motor Performance Data
Record # 75705
Typical performance - not guaranteed values

Winding: 09WGT118-R007	**Type:** 0954M	**Enclosure:** XPFC

Nameplate Data				**380 V, 50 Hz: High Voltage Connection**	
Rated Output (HP)			7.5//5	**Full Load Torque**	26.49 LB-FT
Volts			230/460//190/380	**Start Configuration**	direct on line
Full Load Amps			22/11//19.2/9.6	**Breakdown Torque**	109 LB-FT
R.P.M.			1180//980	**Pull-up Torque**	43.5 LB-FT
Hz	60//50	**Phase**	3	**Locked-rotor Torque**	60.46 LB-FT
NEMA Design Code	A	**KVA Code**	J	**Starting Current**	73.36 A
Service Factor (S.F.)			1	**No-load Current**	6 A
NEMA Nom. Eff.	91	**Power Factor**	70	**Line-line Res. @ 25ºC**	0.895 Ω
Rating - Duty			40C AMB-CONT	**Temp. Rise @ Rated Load**	28°C
S.F. Amps				**Temp. Rise @ S.F. Load**	34°C
				Locked-rotor Power Factor	28.9
				Rotor inertia	4.34 LB-FT2

Load Characteristics 380 V, 50 Hz, 5 HP

% of Rated Load	**25**	**50**	**75**	**100**	**125**	**150**
Power Factor	28	46	58	65	71	74
Efficiency	81.2	87.9	90.1	90.6	90.3	89.6
Speed	997	994	990	987	983	979
Line amperes	6.29	7.06	8.13	9.52	11.08	12.87

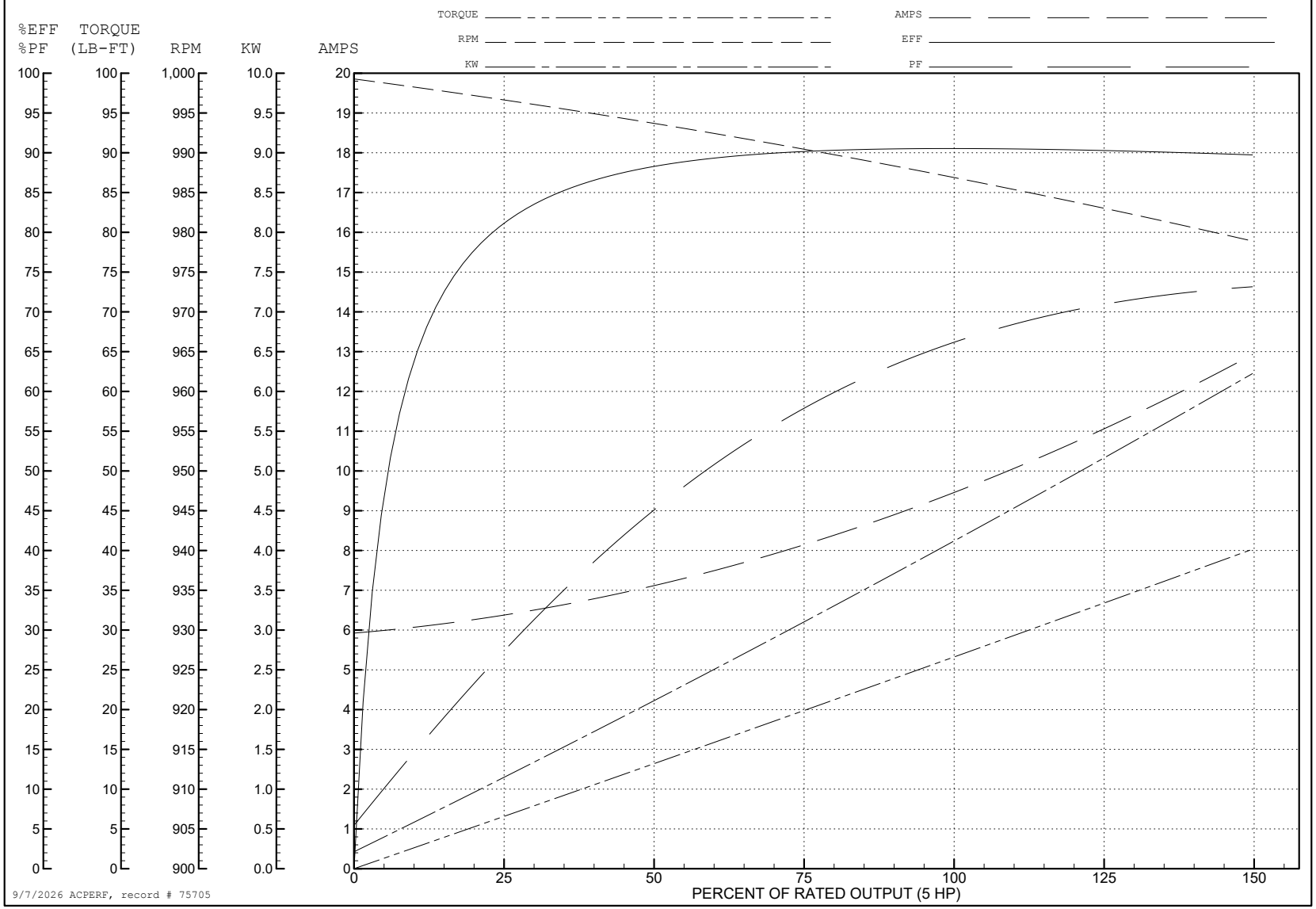
ABB Motors and Mechanical Inc.

WINDING # 09WGT118

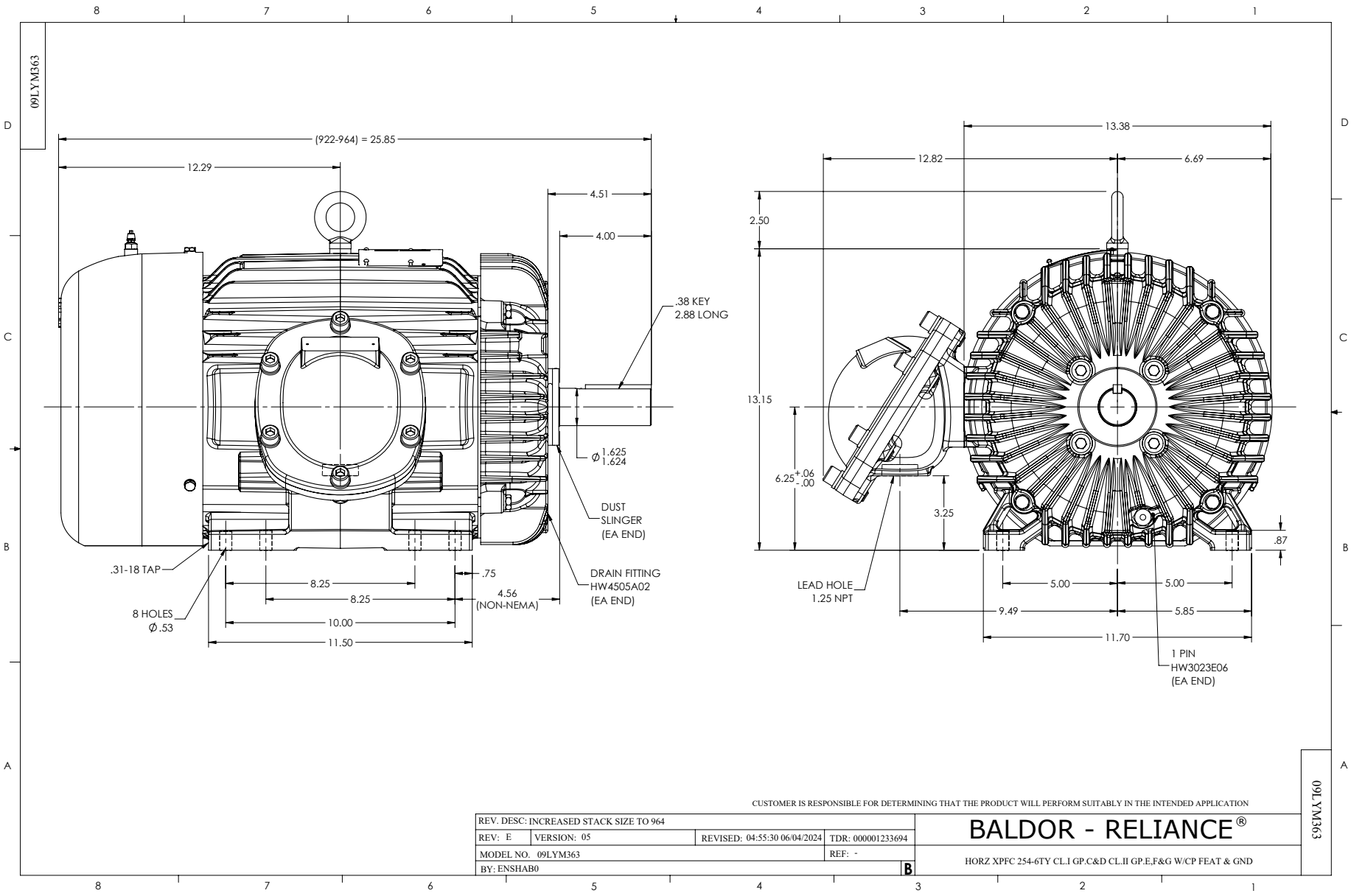
5 HP 3 PH 50 HZ 987 RPM 380 V 0954M

Typical performance - not guaranteed values.

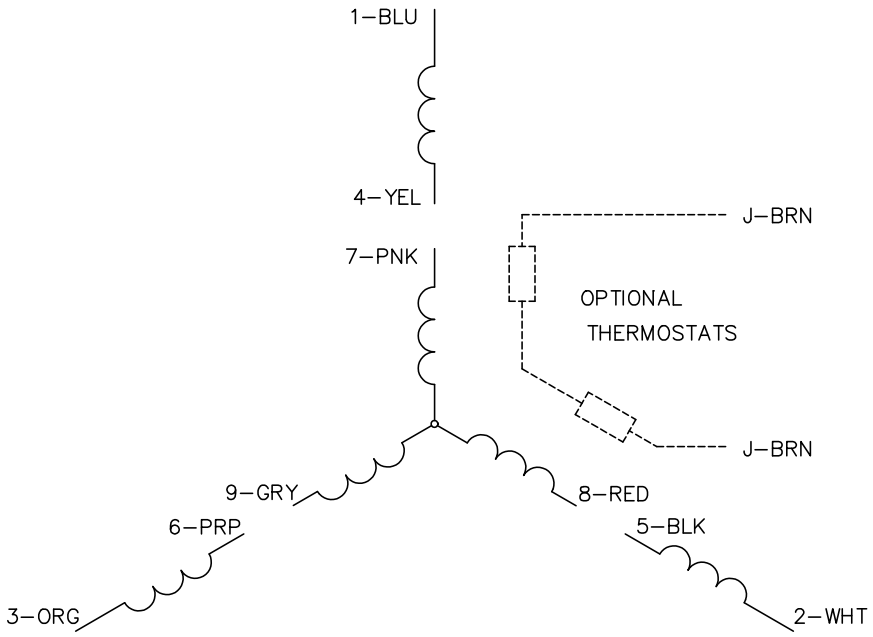
TORQUES(LB-FT): PO=109 PU=43.5 LR=60.46 LRA=73.36

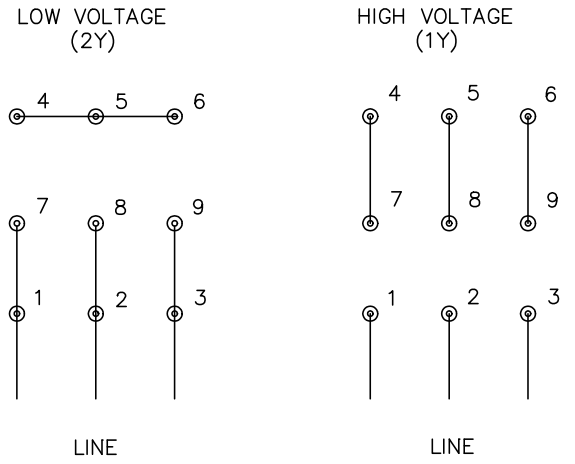


9/7/2026 ACPERF, record # 75705


09LYM363
(922-964) = 25.85
12.29
4.51
4.00
.38 KEY
2.88 LONG
Ø 1.625
1.624
DUST
SLINGER
(EA END)
DRAIN FITTING
HW4505A02
(EA END)
.31-18 TAP
8 HOLES
Ø .53
.75
8.25
8.25
10.00
11.50
4.56
(NON-NEMA)
13.38
12.82
6.69
2.50
13.15
6.25 +.06 -.00
3.25
.87
LEAD HOLE
1.25 NPT
5.00
5.00
9.49
5.85
11.70
1 PIN
HW3023E06
(EA END)
CUSTOMER IS RESPONSIBLE FOR DETERMINING THAT THE PRODUCT WILL PERFORM SUITABLY IN THE INTENDED APPLICATION
REV. DESC: INCREASED STACK SIZE TO 964
REV: E
VERSION: 05
REVISED: 04:55:30 06/04/2024
TDR: 000001233694
MODEL NO. 09LYM363
REF: -
BY: ENSHAB0
B
BALDOR - RELIANCE®
HORZ XPFC 254-6TY CL.I GP.C&D CL.II GP.E,F&G W/CP FEAT & GND
09LYM363

CD0005





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.

CD0005

REV. DESC: REVISE TO SHOW OPTIONAL COLORS			BALDOR ELECTRIC Co.
REV. LTR: E	BY: JLP	REVISED: 01/19/99 10:15	TDR: 0171435
CD0005		FILE: AAA00005140	MDL: –
		MTL: –	3PH, DV, 9 LEADS