

ABB BALDOR RELIANCE III

Customer information packet

DRX18264T

2HP, 1165//970RPM, 3PH, 60HZ, 184T, XPFC, F1

Class - CLI GP C,D

Division - Division I

Specifications

Enclosure	XPFC
Frame	184T
Frame Material	Iron
Frequency	50.00 Hz 60.00 Hz
Haz Area Class and Group	CLI GP C,D
Haz Area Division	Division I
Motor Letter Type	Three Phase
Output @ Frequency	2.000 HP @ 60 HZ 1.500 HP @ 50 HZ
Phase	3
Synchronous Speed @ Frequency	1200 RPM @ 60 HZ
Voltage @ Frequency	460.0 V @ 60 HZ 190.0 V @ 50 HZ 230.0 V @ 60 HZ 380.0 V @ 50 HZ
Agency Approvals	UL CSA EEV
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	3.000 A @ 380.0 V 3.150 A @ 460.0 V 6.000 A @ 190.0 V 6.300 A @ 230.0 V
Design Code	B
Drip Cover	No Drip Cover
Duty Rating	CONT

Part Detail

Revision	D
Type	AC
Mech. spec.	
Base	
Status	PRD/A
Elec. spec.	06WGW970
Layout	06LY-000-044
Eff. date	12-10-2025
CD Diagram	CD0005
Poles	06
Leads	9#16
Proprietary	False
Created date	05-01-2019

Efficiency @ 100% Load	88.5 %
Electrically Isolated Bearing	Not Electrically Isolated
Feedback Device	NO FEEDBACK
Haz Area Temp Code	T3C
Heater Indicator	No Heater
High Voltage Full Load Amps	3.0 a
Insulation Class	F
Inverter Code	Inverter Duty
IP Rating	NONE
KVA Code	K
Lifting Lugs	Standard Lifting Lugs
Locked Bearing Indicator	Locked Bearing
Max Speed	1800 rpm
Motor Lead Termination	Flying Leads
Motor Standards	NEMA
Motor Type	0642M
Mounting Arrangement	F1
Number of Poles	6
Overall Length	17.56 IN
Power Factor	68
Product Family	General Purpose
Pulley Face Code	Standard
Rodent Screen	None
RoHS Status	ROHS NON-COMPLIANT
Service Factor	1.00
Shaft Diameter	1.125 IN
Shaft Ground Indicator	No Shaft Grounding
Shaft Rotation	Reversible
Speed	1165 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

NP1401XPSLEV												
NO.							CC	010A				
S/N							TEMP CODE	T3C				
SPEC.	06-0000-0119						INV.TYPE	PWM				
CAT.NO.	DRX18264T						C HP FR	60	C HP TO	90		
HP	2//1.5						CT HZ FROM	6	CT HZ TO	60		
VOLTS	230/460//190/380						VT HZ FROM	6	VT HZ TO	60		
AMPS	6.3/3.15//6/3						MAG CUR	3.6/1.8				
RPM	1165//970						MX RPM	1800				
HZ	60//50	PH	3	CL	F	NOM.EFF.	88.5					
SER.F.	1.00	DES	B	SL HZ	1.8	WK2	0.395					
FRAME	184T	RATING	40C AMB-CONT									
	55C AMB @1.0SF											
	1.15SF SINEWAVE						NEMA MG-1 PT 5,IP55					

AC Induction Motor Performance Data

Record # 75925

Typical performance - not guaranteed values

Winding: 06WGW970-R007			Type: 0642M		Enclosure: XPFC		
Nameplate Data			460 V, 60 Hz: High Voltage Connection				
Rated Output (HP)		2//1.5	Full Load Torque		9.06 LB-FT		
Volts		230/460//190/380	Start Configuration		direct on line		
Full Load Amps		6.3/3.15//6/3	Breakdown Torque		31.02 LB-FT		
R.P.M.		1165//970	Pull-up Torque		16.7 LB-FT		
Hz	60	Phase	3	Locked-rotor Torque		19.9 LB-FT	
NEMA Design Code		B	KVA Code	K	Starting Current		20.9 A
Service Factor (S.F.)		1	No-load Current		1.84 A		
NEMA Nom. Eff.		88.5	Power Factor	68	Line-line Res. @ 25°C		5.12 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		28°C	
S.F. Amps				Temp. Rise @ S.F. Load		33°C	
				Locked-rotor Power Factor		28.5	
				Rotor inertia		0.395 LB-FT2	

Load Characteristics 460 V, 60 Hz, 2 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	32	49	61	68	73	75
Efficiency	75.2	83.8	86.2	87.2	86.2	85.3
Speed	1193	1186	1178	1170	1160	1149
Line amperes	1.98	2.28	2.7	3.18	3.72	4.37

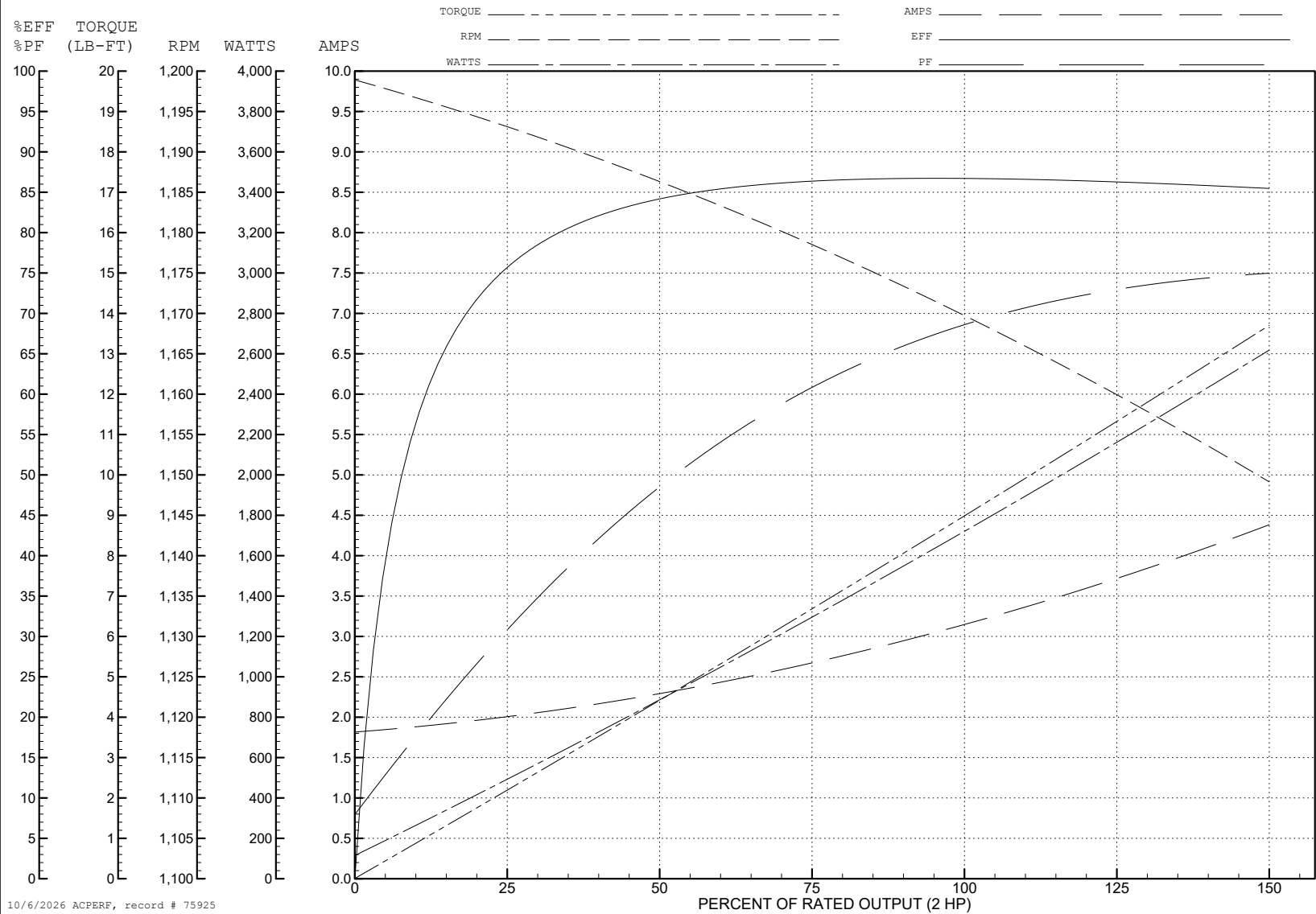
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WINDING # 06WGW970

Typical performance - not guaranteed values.

2 HP 3 PH 60 HZ 1170 RPM 460 V 0642M

TORQUES (LB-FT): PO=31.02 PU=16.7 LR=19.9 LRA=20.9



AC Induction Motor Performance Data

Record # 75926

Typical performance - not guaranteed values

Winding: 06WGW970-R007			Type: 0642M		Enclosure: XPFC	
Nameplate Data				380 V, 50 Hz: High Voltage Connection		
Rated Output (HP)		2//1.5		Full Load Torque		8.17 LB-FT
Volts		230/460//190/380		Start Configuration		direct on line
Full Load Amps		6.3/3.15//6/3		Breakdown Torque		30 LB-FT
R.P.M.		1165//970		Pull-up Torque		17.62 LB-FT
Hz		60 Phase 3		Locked-rotor Torque		21 LB-FT
NEMA Design Code		B KVA Code K		Starting Current		20.39 A
Service Factor (S.F.)		1		No-load Current		1.82 A
NEMA Nom. Eff.		88.5 Power Factor 68		Line-line Res. @ 25°C		5.12 Ω
Rating - Duty		40C AMB-CONT		Temp. Rise @ Rated Load		24°C
				Locked-rotor Power Factor		32.2
				Rotor inertia		0.395 LB-FT2

Load Characteristics 380 V, 50 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150
Power Factor	29	46	58	66	72	75
Efficiency	78	85.4	87.3	87.9	86.4	85.4
Speed	994	987	980	973	964	955
Line amperes	1.93	2.18	2.53	2.94	3.41	3.98

ABB Motors and Mechanical Inc.

WINDING # 06WGW970

Typical performance - not guaranteed values.

1.5 HP 3 PH 50 HZ 973 RPM 380 V 0642M

TORQUES (LB-FT): PO=30 PU=17.62 LR=21 LRA=20.39

