



Product Information Packet

VEBM3554-D

1.5HP,1760RPM,3PH,60HZ,56C,3526M,TEFC,F3

Part Detail							
Revision:	T	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Elec. Spec:	35WGM493	CD Diagram:	CD0005	Mfg Plant:	
Mech. Spec:	35X145	Layout:	35LYX145	Poles:	04	Created Date:	09-30-2010
Base:	N	Eff. Date:	12-02-2020	Leads:	9#18		

Specs			
Catalog Number:	VEBM3554-D	Front Shaft Indicator:	None
Enclosure:	TEFC	Heater Indicator:	No Heater
Frame:	56C	Insulation Class:	F
Frame Material:	Steel	Inverter Code:	Inverter Ready
Motor Letter Type:	Three Phase	KVA Code:	L
Output @ Frequency:	1.500 HP @ 60 HZ	Lifting Lugs:	No Lifting Lugs
Synchronous Speed @ Frequency:	1800 RPM @ 60 HZ	Locked Bearing Indicator:	Locked Bearing
Voltage @ Frequency:	460.0 V @ 60 HZ	Motor Lead Quantity/Wire Size:	9 @ 18 AWG
	230.0 V @ 60 HZ	Motor Lead Exit:	Ko Box
XP Class and Group:	None	Motor Lead Termination:	Flying Leads
XP Division:	Not Applicable	Motor Type:	3526M
Agency Approvals:	CE	Mounting Arrangement:	F3
	CSA	Power Factor:	73
	CSA EEV	Product Family:	General Purpose
	UR	Product Type:	D-SERIES BRAKE MOTORS
	WEEE	Pulley End Bearing Type:	Sealed Bearing
Auxillary Box:	No Auxillary Box	Pulley Face Code:	C-Face
Auxillary Box Lead Termination:	None	Pulley Shaft Indicator:	Standard

Base Indicator:	No Mounting	Rodent Screen:	None
Bearing Grease Type:	Polyrex EM (-20F +300F)	Shaft Extension Location:	Pulley End
Blower:	None	Shaft Ground Indicator:	No Shaft Grounding
Current @ Voltage:	4.500 A @ 208.0 V	Shaft Rotation:	Reversible
	4.400 A @ 230.0 V	Shaft Slinger Indicator:	No Slinger
	2.200 A @ 460.0 V	Speed Code:	Single Speed
Design Code:	B	Motor Standards:	NEMA
Drip Cover:	No Drip Cover	Starting Method:	Direct on line
Duty Rating:	CONT	Thermal Device - Bearing:	None
Electrically Isolated Bearing:	Not Electrically Isolated	Thermal Device - Winding:	None
Feedback Device:	NO FEEDBACK	Vibration Sensor Indicator:	No Vibration Sensor
Front Face Code:	Fan Housing Cover For Brake	Winding Thermal 1:	None
		Winding Thermal 2:	None

Nameplate NP2934L

CAT.NO.	VEBM3554-D										
SPEC.	35X145M493G1										
HP	1.5										
VOLTS	230/460										
AMP	4.4/2.2										
RPM	1760										
FRAME	56C				HZ	60			PH	3	
SER.F.	1.15		CODE	L	DES	B	CL	F			
NEMA-NOM-EFF	86.5		PF	73							
RATING	40C AMB-CONT										
CC	010A		USABLE AT 208V					4.5			
DE	6205		ODE	6205							
ENCL	TEFC		SN								
	IP44										

AC Induction Motor Performance Data

Record # 64659

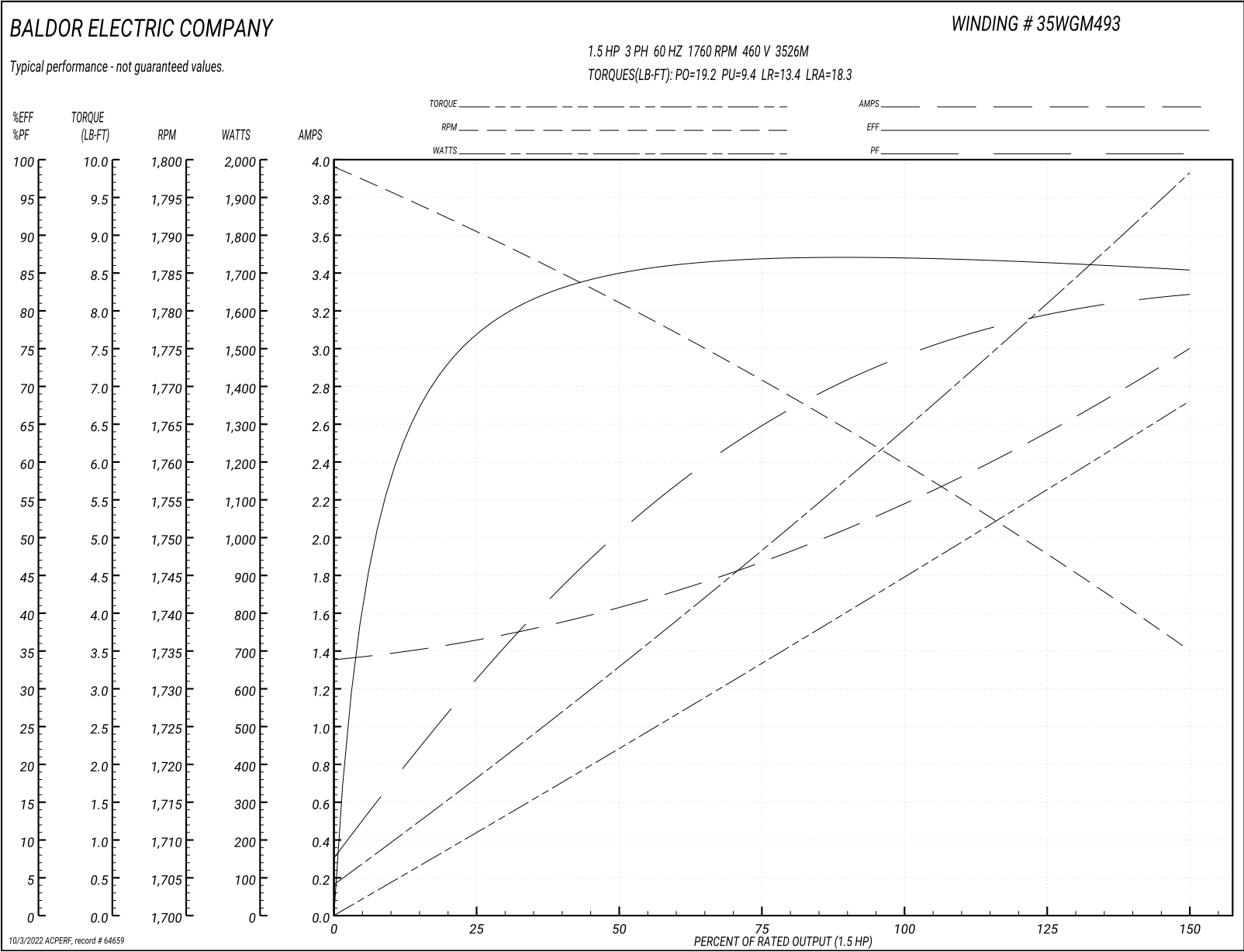
Typical performance - not guaranteed values

Winding: 35WGM493-R078			Type: 3526M	Enclosure: TEFC	
Nameplate Data			460 V, 60 Hz: High Voltage Connection		
Rated Output (HP)		1.5	Full Load Torque		4.47 LB-FT
Volts		230/460	Start Configuration		direct on line
Full Load Amps		4.4/2.2	Breakdown Torque		19.2 LB-FT
R.P.M.		1760	Pull-up Torque		9.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	13.4 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	18.3 A
Service Factor (S.F.)		1.15	No-load Current		1.37 A
NEMA Nom. Eff.	86.5	Power Factor	73	Line-line Res. @ 25°C	10.1 Ω
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		44°C
S.F. Amps			Temp. Rise @ S.F. Load		52°C
			Locked-rotor Power Factor		51.5
			Rotor inertia		0.154 LB-FT2

Load Characteristics 460 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	51	65	73	79	83	77
Efficiency	76.2	84.4	86.9	87.1	86.4	85.3	86.7
Speed	1791	1781	1771	1760	1748	1735	1753
Line amperes	1.44	1.61	1.86	2.19	2.58	2.98	2.42

Performance Graph at 460V, 60Hz, 1.5HP Typical performance - Not guaranteed values



AC Induction Motor Performance Data

Record # 80285

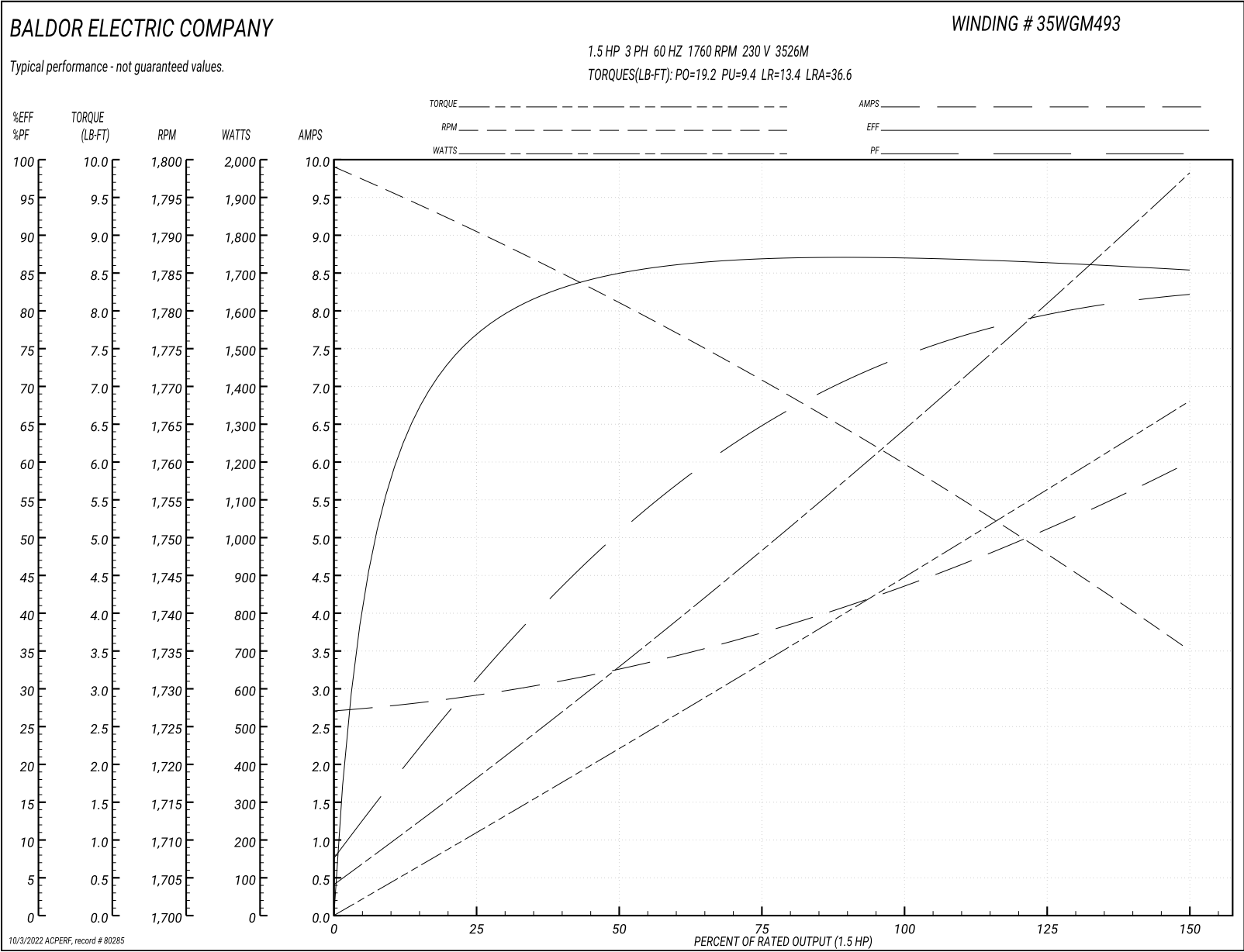
Typical performance - not guaranteed values

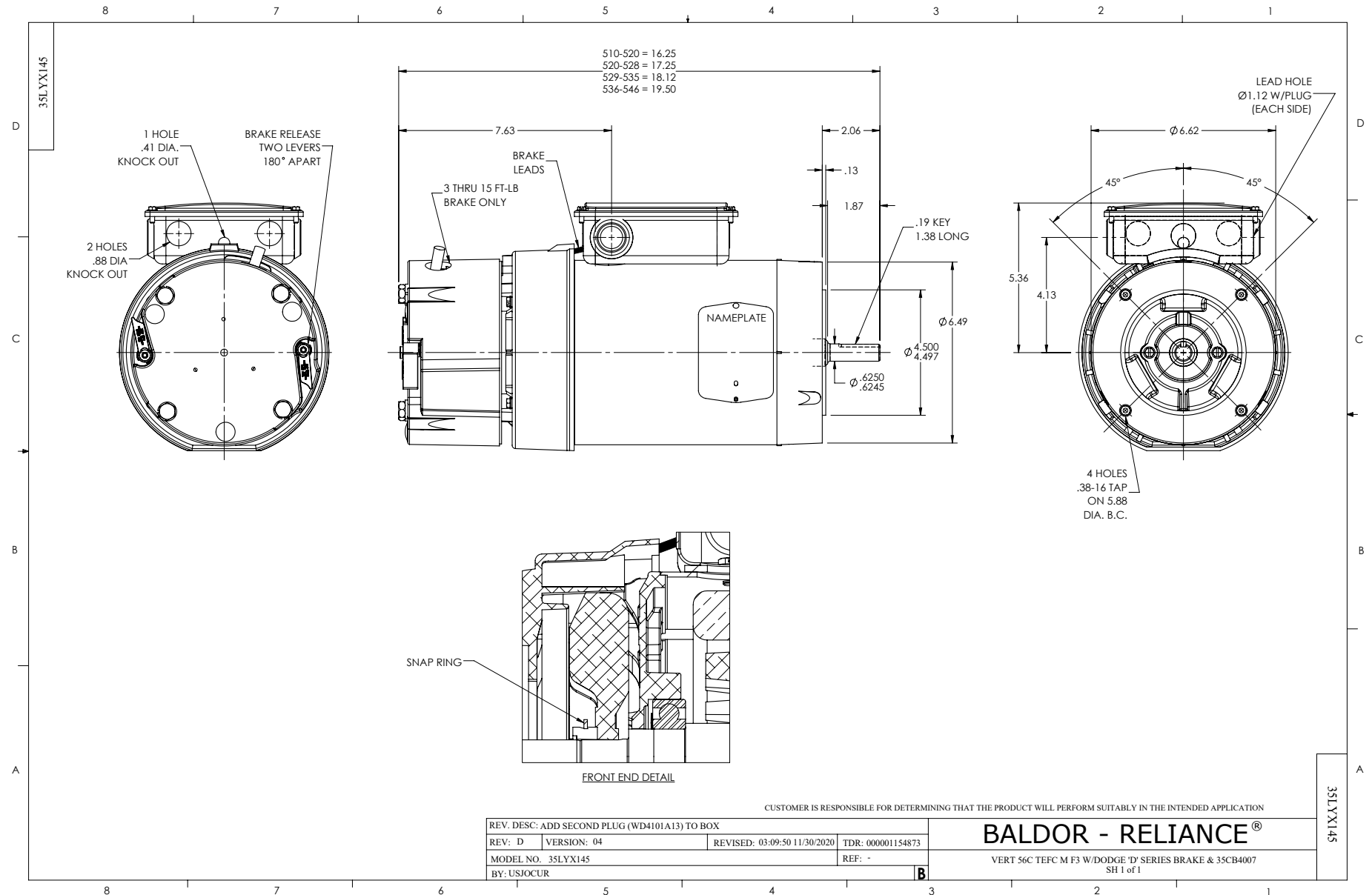
Winding: 35WGM493-R078			Type: 3526M	Enclosure: TEFC	
Nameplate Data			230 V, 60 Hz: Low Voltage Connection		
Rated Output (HP)		1.5	Full Load Torque		4.47 LB-FT
Volts		230/460	Start Configuration		direct on line
Full Load Amps		4.4/2.2	Breakdown Torque		19.2 LB-FT
R.P.M.		1760	Pull-up Torque		9.4 LB-FT
Hz	60	Phase	3	Locked-rotor Torque	13.4 LB-FT
NEMA Design Code	B	KVA Code	L	Starting Current	36.6 A
Service Factor (S.F.)		1.15	No-load Current		2.74 A
NEMA Nom. Eff.	86.5	Power Factor	73	Line-line Res. @ 25°C	2.52 Ω
Rating - Duty		40C AMB-CONT	Temp. Rise @ Rated Load		44°C
S.F. Amps			Temp. Rise @ S.F. Load		52°C
			Locked-rotor Power Factor		51.5
			Rotor inertia		0.154 lb-ft²

Load Characteristics 230 V, 60 Hz, 1.5 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	31	51	65	73	79	83	77
Efficiency	76.2	84.4	86.9	87.1	86.4	85.3	86.7
Speed	1791	1781	1771	1760	1748	1735	1753
Line amperes	2.88	3.22	3.72	4.38	5.16	5.96	4.85

Performance Graph at 230V, 60Hz, 1.5HP Typical performance - Not guaranteed values







CD2120

WIRING CONNECTIONS (1 PHASE VAC)

	POWER LINE A	POWER LINE B	CAP TOGETHER	CAP ALONE
AC LOW VOLT.	B1	B2	B3 & B5	B4
AC HIGH VOLT.	B1 & B5	B2	---	B3 CAP ALONE B4 CAP ALONE
DC VOLT.	B1	B2	B3 & B5	B4

B1 WHITE
B2 BLACK
B3 GRAY
B4 BLUE
B5 RED

CD2120

REV. DESC: NEW			BALDOR • DODGE • RELIANCE
REV. LTR: -	VERSION: 00	TDR: 000000741785	
FILE: \CKA\00037\282		REVISED: 12:28:11 04/12/2012	
MTL: -		BY: CKRONSO	
D-SERIES MOTOR BRAKE 5LD AC\DC			SH 1 of 1