

Volts	460	Max RPM	3000	Conn Diag.	CD0005	Leads	9
Amps	17.4	Max Amps		Cs Diagram	CS0576	BEMF	112/225
HP	15	VFD#	ACH580-01-023A			LD	3.4/13.5
RPM	1800	S.F.	1.50			LQ	10.6/42.2
Phase/Hz	3/60	Rating	40C AMB-			Rs	0.4926 Meas. L-L

60034-2-3 Motor Performance at Standardized Operating Points

	RPM	% Speed	LB-FT	% Torque	HP	Efficiency	Loss (% FL)	Watts Loss (W)
P1	1620	90%	43.8	100%	13.5	94.9	4.86%	551
P2	900	50%	43.8	100%	7.5	93.2	3.64%	412
P3	450	25%	43.8	100%	3.7	89.5	2.91%	329
P4	1620	90%	21.9	50%	6.7	94.7	2.49%	282
P5	900	50%	21.9	50%	3.7	93.8	1.64%	185
P6	900	50%	11.0	25%	1.9	93.0	0.93%	106
P7	450	25%	10.9	25%	0.9	91.2	0.60%	68

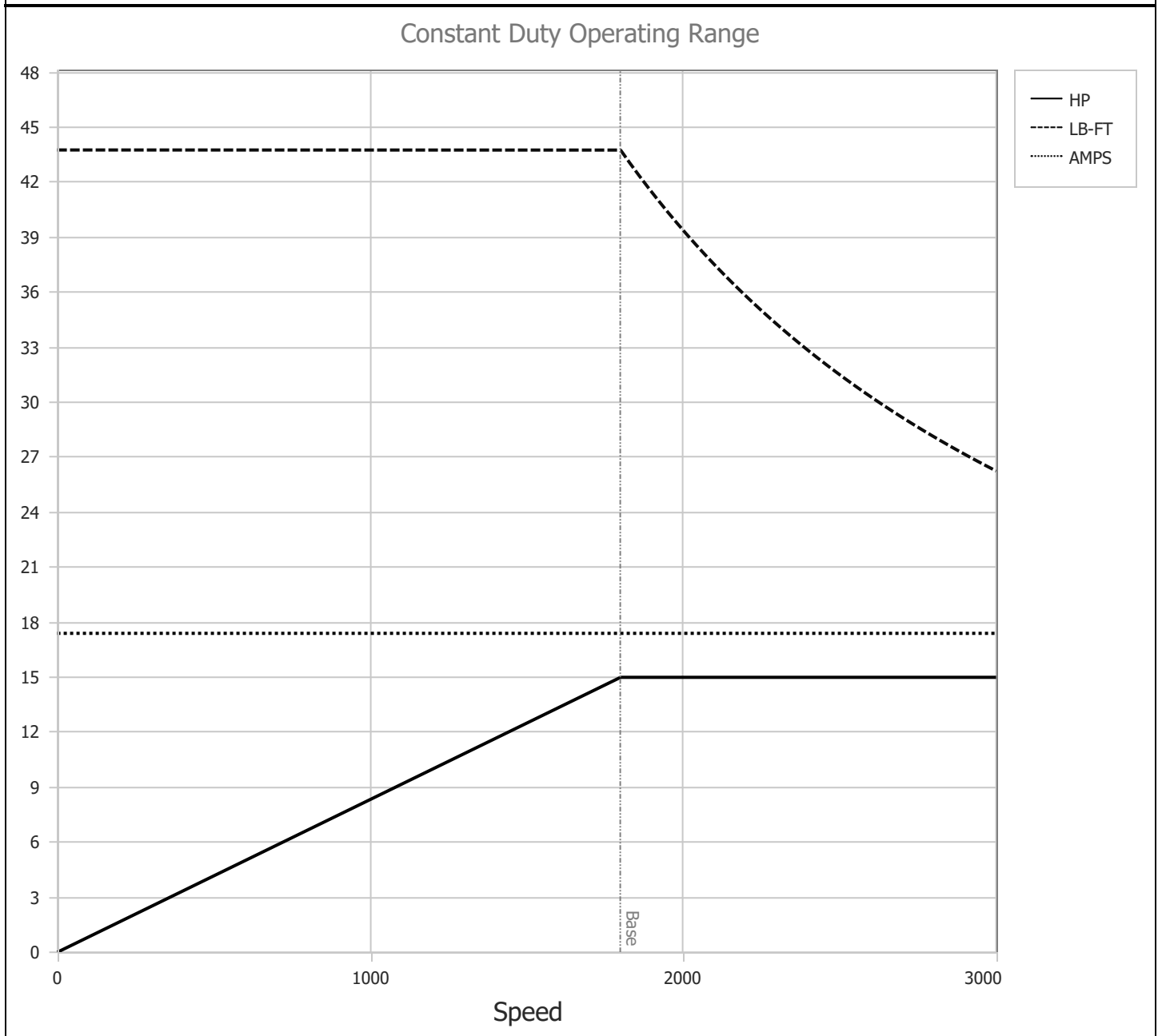
61800-9-2 PDS Performance at Reference Operating Points

	RPM	% Speed	LB-FT	% Torque	HP	System Efficiency	Loss (% FL)	Watts Loss (W)
P1	1800	100%	43.8	100%	15.0	93.5	6.90%	781
P2	900	50%	43.8	100%	7.5	90.1	5.42%	613
P3	306	17%	43.8	100%	2.6	80.2	4.15%	470
P4	1800	100%	21.9	50%	7.5	92.6	3.96%	449
P5	900	50%	21.9	50%	3.7	90.5	2.61%	295
P6	306	17%	21.9	50%	1.3	81.5	1.90%	216
P7	900	50%	11.0	25%	1.9	88.7	1.57%	177
P8	306	17%	10.9	25%	0.6	79.3	1.10%	124

Points not taken in certified order.

BALDOR • RELIANCE	DR By:	<u>R & D</u>	AC MOTOR PERFORMANCE CURVES	37WGL002 37Q435L002G1 Test - 112065
	CK By:	<u>USGAHIL</u>		
	APP By:			
	Date:	<u>03/15/2025</u>		

Volts	460	Max RPM	3000	Conn Diag.	CD0005	Leads	9
Amps	17.4	Max Amps		Cs Diagram	CS0576	BEMF	112/225
HP	15	VFD #	ACH580-01-023A			LD	3.4/13.5
RPM	1800	S.F.	1.50			LQ	10.6/42.2
Phase/Hz	3/60	Rating	40C AMB-			Rs	0.4926 Meas L-L



BALDOR • RELIANCE	DR By:	<u>R & D</u>	AC MOTOR PERFORMANCE CURVES	37WGL002 37Q435L002G1 Test - 112065
	CK By:	<u>USGAHIL</u>		
	APP By:			
	Date:	<u>03/15/2025</u>		