

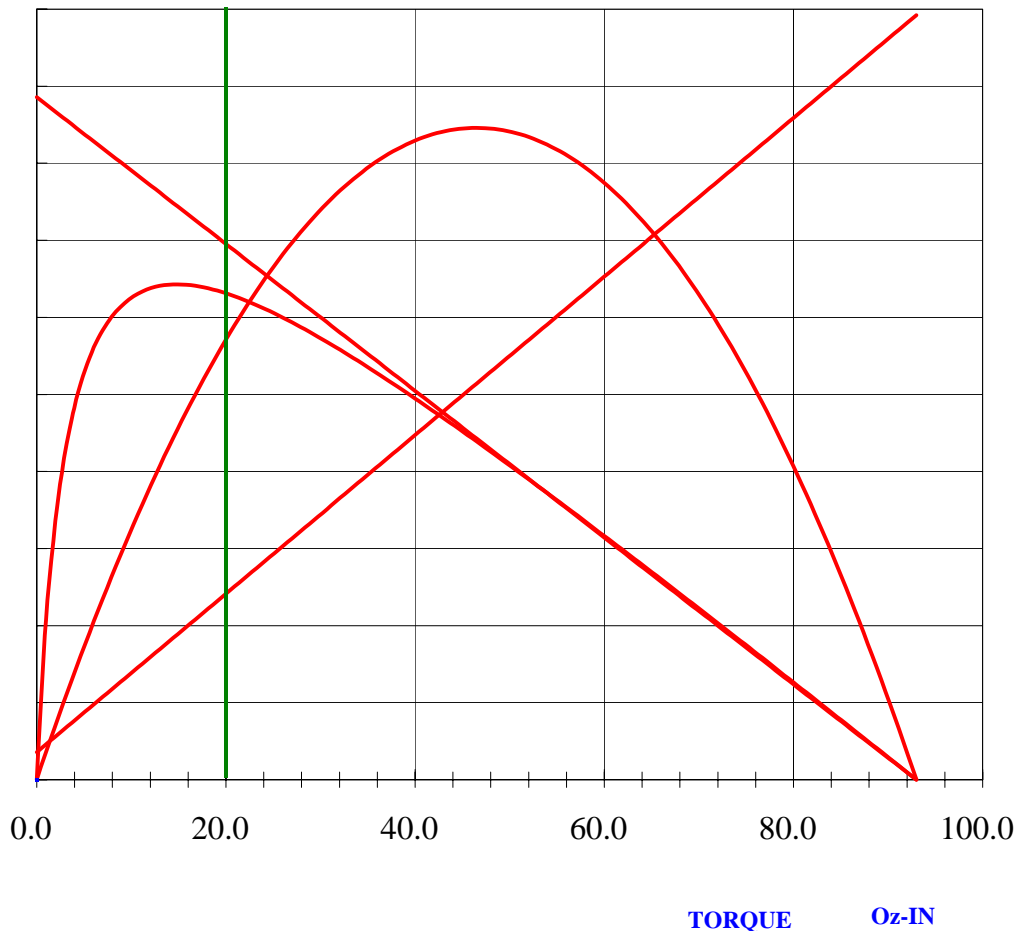


SMITH RICHARDS INC.
Transportation Components

PERFORMANCE CURVE

Revision	AC	Date	02/12/09
Model #	881902 (SR805-001A)		
Series	20A12BA080ZZBAH		
Customer	SMITH RICHARDS		

$\eta\%$	Wo	A	RPM
100%	72	22.50	4,000
80%	58	18.00	3,200
60%	43.2	13.50	2,400
40%	29	9.00	1,600
20%	14	4.50	800
0	0	0.00	0



ELECTRICAL SPECIFICATIONS @ 20 degC		
		1#

Nominal voltage	Vdc	12.0
Free load speed	RPM	3,543
Free load current	A	0.80
On load torque	Oz-IN	20.0
On load speed	RPM	2,781
On load current	A	5.4
On load power	Watts	41.1
On load efficiency	%	63.12%
Stall torque	Oz-IN	93.0
Stall current	A	22.3
Max power output	Watts	61
Maximum efficiency	%	64.3%
Friction torque	Oz-IN	3.5
Velocity constant	RPM/V	306.2
Back EMF constant	mV/RPM	3.39
Torque constant	Oz-IN/A	4.32

Input	XZCHEN	2/12/09	Checked		Approval			
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