



## STSC 70-40

Baldor 10 Hp/1,800 Rpm Motor - CEWDM3714T

P.O. Box 17510  
Tampa, Florida 33682  
Phone: (855) AXIFLOW  
Fax: (877) 569-0775  
[www.axiflowtechnologies.com](http://www.axiflowtechnologies.com)

	I	II	II	IV	V	VI
speed [rpm]	592	575	560	1480		
hertz[hz][1,800 rpm]	20	19	19	49		
% of synchronous speed [1,800 rpm]	33	32	31	82		
diff. pressure [psi]	125	100	80	20		
kinem. viscosity [mm <sup>2</sup> /s]	2000	2000	2000	1		
capacity [USGPM]	24.0	24.0	24.0	60.0		
power [hp]	3.5	2.9	2.4	2.2		
operating torque [lbf*ft]	30.8	26.3	22.6	7.6		
total efficiency [%]	50.3	48.6	46.4	32.5		
mech./hydr. efficiency [%]	70.7	66.3	61.7	45.7		
volumetric efficiency [%]	71.1	73.2	75.2	71.2		
NPSHr [ft]	2.24	2.21	2.19	2.63		
noise level [dB(A)]	66.1	65.7	65.4	69.8		
max. diff. pressure [psi]	174.0	174.0	174.0	174.0		
max. speed [rpm]	1171	1171	1171	3600		
motor power relative to torque req. [hp]	10.6	9.0	7.8	2.6		

made by:

George W. Doan

date:

July 10, 2013

Hyghspin\_2.5