

## STSC 70-40

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Baldor 15 Hp/1,800 Rpm Motor - CEWDM23933T

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	I	II	II	IV	V	VI
speed [rpm]	1040	1024	1007	1838		
hertz[hz][1,800 rpm]	35	34	34	61		
% of synchronous speed [1,800 rpm]	58	57	56	102		
diff. pressure [psi]	150	125	100	20		
kinem. viscosity [mm <sup>2</sup> /s]	2000	2000	2000	1		
capacity [USGPM]	48.0	47.9	48.0	80.0		
power [hp]	8.0	7.0	6.0	2.8		
operating torque [lbf*ft]	40.4	35.8	31.3	8.0		
total efficiency [%]	52.5	50.1	46.7	33.4		
mech./hydr. efficiency [%]	64.8	60.9	55.8	43.7		
volumetric efficiency [%]	81.0	82.2	83.6	76.4		
NPSHr [ft]	3.14	3.10	3.06	3.10		
noise level [dB(A)]	69.2	68.9	68.6	71.1		
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]	13.8	12.3	10.7	2.7		

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made by:

George W. Doan

date:

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