








**The Brand You Trust,
The Power You Depend On.**

LSAP 40 – 3.5 to 20 kVA

Low Voltage Alternators - 4 Pole



-  Compact & Rigid
-  Industry best Efficiency
-  Better motor starting capability
-  High power density (Lighter weight)
-  Superior thermal life

LEROY-SOMER™

Nidec
All for dreams

General Characteristics

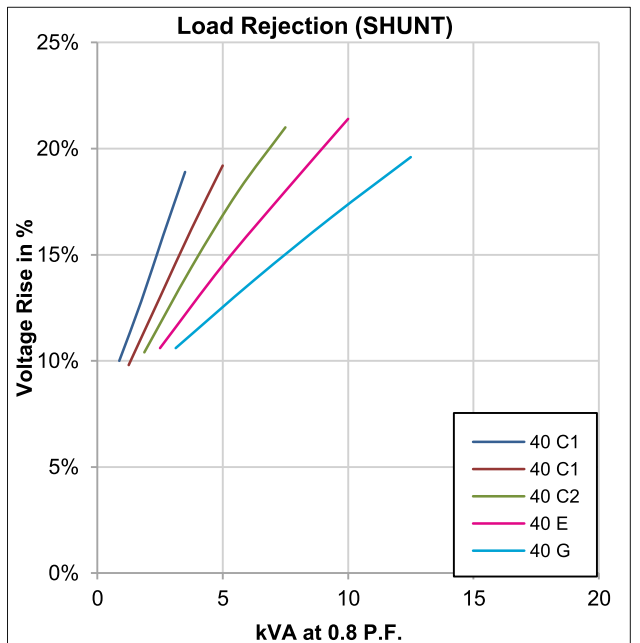
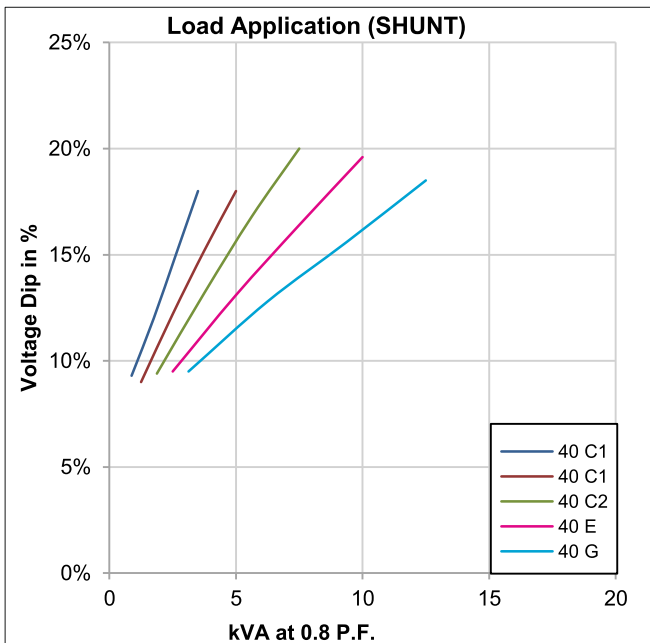
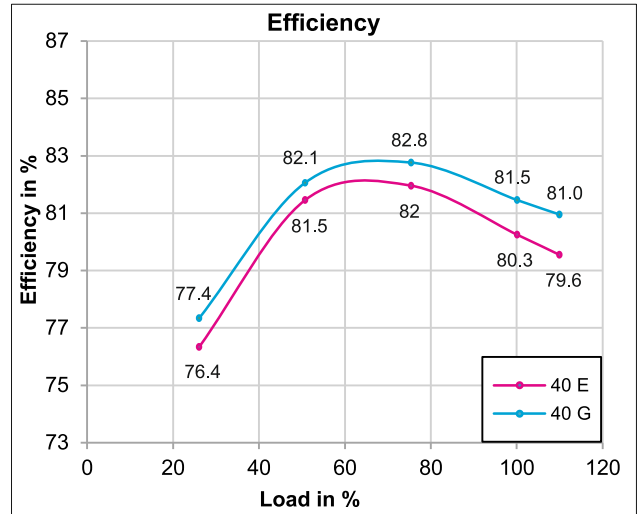
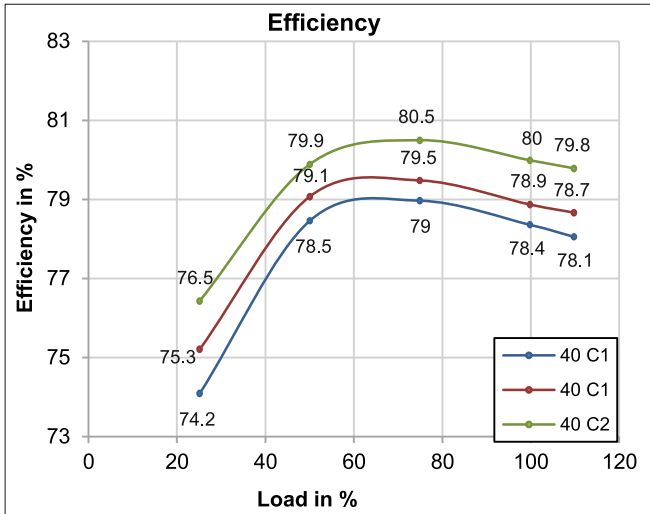
Insulation Class	H	Excitation System	SHUNT
Winding pitch	2/3	AVR Model	R120
Terminals	2 /4 (Optional)		
Protection	IP 23	Voltage Regulation (*)	± 1%
Altitude	≤ 1000 m	Total harmonic Distortion (**)	< 5%
Over speed	120% for 2 mins	Wave form : TIF (**)	< 100
Air flow	0.06 m ³ /s		

(*) Steady state duty. (**) Total harmonic distortion between phases, no-load or on-load (non-distorting).

Ratings kVA @ 0.8 P.F 1 Phase 230 V, 50 Hz – 1500 RPM***

Duty	Class/Temp. Rise	C1	C1	C2	E	G
Continuous duty / 40° C	H / 125° C	3.5	5	7.5	10	12.5
	F / 105° C	3.15	4.5	6.75	9.0	11.3
Stand by-duty/ 27° C	H / 163° C	4	5	8	11	13

(***) Also offering multi-voltage/60 Hz/1800 RPM.



General Characteristics

Insulation Class	H	Excitation System	SHUNT / AREP (Optional)
Winding pitch	2/3	AVR Model	R120 / R180 / D350 (Optional)
Terminals	6/12 (Optional)	Voltage Regulation (*)	± 1%
Protection	IP 23	Sustained short-circuit current	300 % of FLC for 10 s (AREP)
Altitude	≤ 1000 m	Total harmonic Distortion (**)	< 3%
Over speed	120% for 2 mins	Wave form : TIF (**)	< 50
Air flow	0.06 m ³ /s		

(*) Steady state duty. (**) Total harmonic distortion between phases, no-load or on-load (non-distorting).

Ratings kVA @ 0.8 P.F 3 Phase 415 V, 50 Hz – 1500 RPM***

Duty	Class/Temp. Rise	C0	C1	C2	D	E	H
Continuous duty / 40° C	H / 125° C	5	7.5	10	12.5	15	20
	F / 105° C	4.5	6.75	9.0	11.3	13.5	18
Stand by-duty / 27° C	H / 163° C	5.5	8.25	11.0	13.75	16.5	22

(***) Also offering multi-voltage/60 Hz/1800 RPM.

