



**C.R.I. PUMPS**

Pumping trust. Worldwide.



## Selfpriming / Non-selfpriming Monoblock Pumpsets

### Royale / Xcite / Shine / Dora / Dhoom / Champee / Miki & Elsa Series

C.R.I. Selfpriming monoblock pumpsets are power-driven by a totally enclosed fan cooled AC induction two pole motor, suitable for continuous duty. Motor stator is made of low watt loss silicon laminations assembled under pressure and rigidly locked in the frame. The windings are of high - grade enameled copper wire and are varnish impregnated. Construction of motor frames and usage of quality materials result in high performance, noise free operation and low temperature rise thereby increasing the life cycle of the motor. Pumps volute chamber and impellers are designed to give the best possible hydraulic efficiency and suction lift characteristics. Non-selfpriming pumps with end suction and radial delivery.



### SALIENT FEATURES

- Upto 100metre (328 feet) working capacity
- Built-in with imported Thermal Overload Protector
- Specially designed for wide voltage operation
- Powder coated multi-color stator body
- Sturdy and compact
- Double sealed ball bearing, so no need of external lubrication
- Pumpset available with extension shaft for multi purpose application

APPLICATIONS : • Domestic • Small garden • Pressure boosting • Civil applications • RO Applications • House Watering Systems

## SPECIFICATIONS

## ROYALE / XCITE / SHINE / DORA / DHOOM / CHAMPEE & MIKI

Power range	0.18kW - 1.1kW (0.25HP - 1.5HP)
Speed	2880 RPM
Versions	1Ph - 220-240 V; 3Ph - 380-415 V, 50 Hz AC supply.
Maximum total head	100 metre
Maximum flow rate	3800 lph (3.8 m <sup>3</sup> /hr)
Degree of protection	IP 44
Direction of rotation	Clockwise from driving end
Class of insulation	B
Type of duty	S1 (Continuous)
Maximum suction lift	Upto 8 metre
Maximum liquid temperature	330c
Maximum ambient temperature	400c
Nominal size (suction x delivery)	15 x 15, 20 x 20 & 25 x 25 mm

## PERFORMANCE CHART



Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet									
						6	8	10	12	15	18	21	25	30	
						20	26	33	39	49	59	69	82	98	
						Discharge in LPH									
DORA 50	0.37	0.5	SELF PRIMING	25x25	8	2016	1872	1750	1512	1332	1000	800	360		
DORA 100	0.75	1	SELF PRIMING	25x25	8	3000	2800	2600	2450	2320	2100	1880	1720	1320	



Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet									
						6	8	10	12	15	18	21	25	30	
						20	26	33	39	49	59	69	82	98	
						Discharge in LPH									
SHINE 50/50 PLUS	0.37	0.5	SELF PRIMING	25x25	8	2088	2000	1800	1600	1400	1220	1000	760		
SHINE 100/100 PLUS	0.75	1	SELF PRIMING	25x25	8	3050	2850	2650	2500	2350	2120	1900	1800	1400	



Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet												
						6	8	10	12	15	18	21	25	26	28	30	35	
						20	26	33	39	49	59	69	82	85	92	98	115	
						Discharge in LPH												
MIKI 50	0.37	0.5	SELF PRIMING	25x25	8	2100	1928	1802	1557	1372	1030	824	600	450	250			
MIKI 51	0.37	0.5	SELF PRIMING	25x25	8	2150	2060	1854	1648	1442	1256	1030	782	550	300			
MIKI 100	0.75	1	SELF PRIMING	25x25	8	3340	3186	3060	2916	2700	2412	2160	1872	1755	1638	1404	830	



Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet													
						6	8	10	12	15	18	21	25	30	35	40	45		
						20	26	33	39	49	59	69	82	98	115	131	148		
						Discharge in LPH													
XCITE 50*	0.37	0.5	SELF PRIMING	25x25	8	2000	1900	1800	1700	1600	1100	920	680						
XCITE 51*/C PLUS 51	0.37	0.5	SELF PRIMING	25x25	8	2300	2200	2050	1850	1700	1512	1300	900						
XCITE 100*/ C PLUS 100/ES	0.75	1	SELF PRIMING	25x25	8	3100	2900	2592	2520	2450	2250	2100	1900	1620	1350	1000	825		

# PERFORMANCE CHART



Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet															
						6	8	10	12	15	18	21	25	30	35	40	45	50	55	58	
						20	26	33	39	49	59	69	82	98	115	131	148	164	180	190	
Discharge in LPH																					
ROYALE 51*	0.37	0.5	SELF PRIMING	25x25	8	2700	2550	2300	2150	2000	1700	1500	1260	864							
ROYALE 52*/ ES	0.37	0.5	SELF PRIMING	25x25	8	3150	2950	2808	2600	2448	2200	2088	1800	1500							
ROYALE 100*	0.75	1	SELF PRIMING	25x25	8	3100	3000	2900	2700	2600	2480	2350	2196	1980	1728	1368					
ROYALE 101	0.75	1	SELF PRIMING	25x25	8	3400	3300	3250	3200	3150	3000	2950	2736	2376	2200	1550	1200				
ROYALE 150	1.1	1.5	SELF PRIMING	25x25	8	3888	3800	3750	3700	3600	3500	3400	3300	3060	2750	2450	2000	1350			
ROYALE D PLUS 50	0.37	0.5	SELF PRIMING	25x25	8	2800	2736	2550	2350	2160	1944	1728	1365	936	504						
ROYALE D PLUS 51	0.37	0.5	SELF PRIMING	25x25	8	3100	3060	2970	2880	2592	2268	2088	1656	1080	650						
ROYALE D PLUS 100	0.75	1	SELF PRIMING	25x25	8	3350	3269	3276	3258	3204	3096	2880	2592	2268	1980	1692	1404	1080	756	576	
ROYALE D PLUS 101	0.75	1	SELF PRIMING	25x25	8	3400	3350	3357	3340	3285	3174	2952	2656	2324	2029	1734	1434	1107	775	590	
ROYALE E PLUS 100	0.75	1	SELF PRIMING	25x25	8	3350	3269	3276	3258	3204	3096	2880	2592	2268	1980	1692	1404	1080	756	576	
ROYALE E PLUS 101	0.75	1	SELF PRIMING	25x25	8	3400	3350	3357	3340	3285	3174	2952	2656	2324	2029	1734	1434	1107	775	590	



## WONDER SUCTION

Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet													
						6	8	10	12	15	18	21	25	30	35	40	45	50	55
						20	26	33	39	49	59	69	82	98	115	131	148	164	180
Discharge in LPH																			
DHOOM 51	0.37	0.5	WONDER SUCTION	25x25	8	1550	1520	1500	1480	1350	1200	1090	850						
DHOOM 52	0.37	0.5	WONDER SUCTION	15x15	8	1370	1270	1150	1100	1020	900	800	520						
DHOOM 53	0.37	0.5	WONDER SUCTION	25x25	8	1580	1480	1400	1350	1300	1000	850	550						
DHOOM 75	0.55	0.75	WONDER SUCTION	25x25	8	1900	1850	1775	1700	1620	1400	1200	950	500					
DHOOM 100	0.75	1	WONDER SUCTION	25x25	8	2450	2350	2200	2100	1900	1750	1600	1450	1200	750				
DHOOM 150	1.1	1.5	WONDER SUCTION	25x25	8	3200	3150	3100	3000	2950	2900	2800	2700	2500	2350	2000	1650	1200	750
DHOOM 52 D PLUS	0.37	0.5	WONDER SUCTION	15x15	8	1880	1833	1761	1660	1458	1295	1108	800	594					
DHOOM 75 D PLUS	0.5	0.75	WONDER SUCTION	25x25	8	2048	1995	1925	1865	1775	1656	1500	1286	924	453				
DHOOM 100 D PLUS	0.75	1	WONDER SUCTION	25x25	8	2085	2018	1928	1849	1715	1640	1475	1250	978	706				



## SPECIALLY DESIGNED FOR R.O. APPLICATION

Model	kW	HP	Type	Suction x Delivery in mm	Suction Capacity in mtrs	Total Head in metre / feet																		
						6	8	10	12	15	18	21	25	30	35	40	45	50	55	60	70	80	90	100
						20	26	33	39	49	59	69	82	98	115	131	148	164	180	197	230	262	295	328
Discharge in LPH																								
CHAMPEE100	0.75	1	NON SELFPRIMING	25x25	8	1700	1650	1600	1550	1500	1400	1380	1300	1200	1100	1000	900	800	700	650	480	320	180	
CHAMPEE150	1.1	1.5	NON SELFPRIMING	25x25	8	3300	3200	3024	2950	2900	2800	2700	2600	2400	2250	2200	2100	2000	1850	1750	1200	900	400	150

D Plus : Die-cast motor body • ES : Extension Shaft

# PERFORMANCE CHART



MODEL	kW	HP	SUCTION X DELIVERY IN MM	SUCTION CAPACITY IN MTRS	TOTAL HEAD IN MTR / FEET												
					6	8	10	12	15	18	21	25	28	30	32	35	40
					20	26	33	39	49	59	69	82	91	98	104	115	131
Discharge in LPH																	
ELSA 50	0.37	0.5	25 x 25	8	2095	1920	1750	1610	1400	1155	925	685	430	-			
ELSA 55*	0.37	0.5	25 x 25	8	1985	1795	1625	1475	1250	1050	815	485	-				
ELSA 100	0.75	1	25 x 25	8	2965	2730	2520	2330	2050	1755	1410	950	615	300	-		
ELSA 101	0.75	1	25 x 25	8	3140	3065	2875	2700	2440	2190	1845	1440	1110	815	520	-	
ELSA 105*	0.75	1	25 x 25	8	2990	2760	2585	2385	2150	1910	1690	1440	1245	1080	930	685	-

\* Models with copper coated winding.

MATERIAL OF CONSTRUCTION - PUMPSET	
Part Name	Material
Pump Casing	Cast Iron
Bracket & Rear Cover	Cast Iron / Aluminium
Volute Casing	Forged SS / Brass
Rotor	Aluminium Die Cast
Motor Body	Aluminium Extruded / Die Cast / Cast Iron
Motor Shaft	SS 410
Cooling Fan	Poly Propylene - Co Polimer
Cooling Fan Cover	Poly Propylene - Co Polimer / MS
Impeller	High Tensile Brass
Mechanical Seal	Carbon & Ceramic

In view of continuous developments, the information / performance / descriptions / specifications / illustrations mentioned in this catalogue are subject to change without notice. A&R / Residential Flyer / APR 22



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