

IRG SERIES

SINGLE-SUCTION CENTRIFUGAL PUMP · 50 Hz · n ≈ 2900 /min · n ≈ 1450 /min



FEATURES

- Complete range with a full series of centrifugal pumps
- Vertical and horizontal designs, suitable for any installation
- Available with explosion-proof motors
- Wide range of pumps suitable for many applications
- Pump casing with anti-corrosion coating
- Quality bearings, wear-resistant mechanical seal

APPLICATIONS

Clean water · Home · Civil · Industry

MODEL CODE

Example: **IRG80-315/11-4**

IRG	Pump series
80	Discharge size (mm)
315	Nominal impeller size (mm)
11	Motor power (kW)
-4	4-pole motor (n ≈ 1450 /min)
Blank	2-pole motor (n ≈ 2900 /min)

POWER SUPPLY

Single-phase	1~ 220–240 V, up to 3 kW
Three-phase	3~ 380–415 V

25 – 350 mm

DN

0.55 – 250 kW

POWER

3.7 – 1200 m³/h

RATED FLOW

5 – 150 m

RATED HEAD

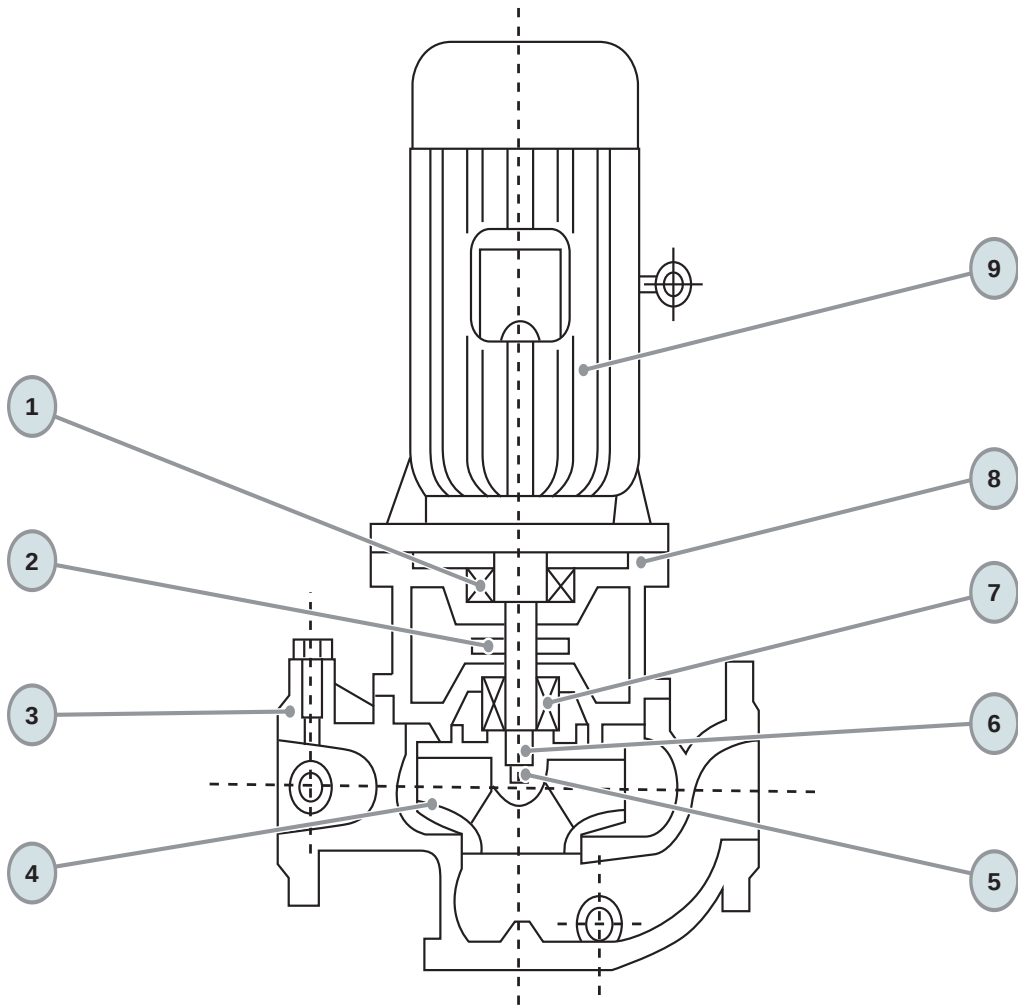
2900 · 1450 /min

SPEED

50 Hz

FREQUENCY

CONSTRUCTION & MATERIALS



No.	DESCRIPTION	MATERIAL
1	Bearing	Ball Bearing
2	Water Deflector	Rubber
3	Pump Casing	Cast iron

No.	DESCRIPTION	MATERIAL
4	Impeller	SS304/Cast iron
5	Impeller Nut	Galvanized Steel
6	Shaft	SS304-45# Steel

No.	DESCRIPTION	MATERIAL
7	Mechanical Seal	SiC/Carbon/SS304
8	Connection	Cast iron
9	Motor	IP55 Class F

IRG 2-POLE

SINGLE-SUCTION CENTRIFUGAL PUMP · 50 Hz · n ≈ 2900 /min · PART 1 OF 2



n ≈ 2900 /min SPEED	50 Hz FREQUENCY	25 – 150 mm DN	0.75 – 110 kW POWER	3.7 – 200 m³/h RATED FLOW	10 – 150 m RATED HEAD
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DN 2525×25 mm						
MODEL	P ₂ kW	HP	Q m³/h	l/min	H m	DN mm
IRG25-125/0.75	0.75	1	4	67	20	25×25
IRG25-160/1.5	1.5	2	4	67	32	25×25
IRG25-160/1.1	1.1	1.5	3.7	62	28	25×25

DN 3232×32 mm						
MODEL	P ₂ kW	HP	Q m³/h	l/min	H m	DN mm
IRG32-125/0.75	0.75	1	5	83	20	32×32
IRG32-160/1.5	1.5	2	4.5	75	32	32×32
IRG32-160/1.1	1.1	1.5	4	67	28	32×32
IRG32-200/3	3	4	4.5	75	50	32×32
IRG32-200/2.2	2.2	3	4	67	44	32×32

DN 4040×40 mm						
MODEL	P ₂ kW	HP	Q m³/h	l/min	H m	DN mm
IRG40-100/1.1	1.1	1.5	12.5	208	12.5	40×40
IRG40-100/0.75	0.75	1	11	183	10	40×40
IRG40-125/1.5	1.5	2	12.5	208	20	40×40
IRG40-125/1.1	1.1	1.5	11	183	16	40×40
IRG40-160/3	3	4	12.5	208	32	40×40
IRG40-160/2.2	2.2	3	11.7	195	28	40×40
IRG40-200/5.5 3~	5.5	7.5	12.5	208	50	40×40
IRG40-200/4 3~	4	5.5	11.7	195	44	40×40
IRG40-200/3	3	4	10.6	177	36	40×40
IRG40-250/11 3~	11	15	12.5	208	80	40×40
IRG40-250/7.5 3~	7.5	10	11.6	193	70	40×40

DN 5050×50 mm						
MODEL	P ₂ kW	HP	Q m³/h	l/min	H m	DN mm
IRG50-100/1.5	1.5	2	25	417	12.5	50×50
IRG50-100/1.1	1.1	1.5	22.3	372	10	50×50
IRG50-125/3	3	4	25	417	20	50×50
IRG50-125/2.2	2.2	3	22.3	372	16	50×50
IRG50-160/4 3~	4	5.5	25	417	32	50×50
IRG50-160/3	3	4	21.6	360	24	50×50
IRG50-200/7.5 3~	7.5	10	25	417	50	50×50
IRG50-200/5.5 3~	5.5	7.5	21.8	363	38	50×50
IRG50-250/15 3~	15	20	25	417	80	50×50
IRG50-250/11 3~	11	15	23.4	390	70	50×50
IRG50-315/30 3~	30	40	25	417	125	50×50
IRG50-315/22 3~	22	30	23.7	395	113	50×50
IRG50-315/18.5 3~	18.5	25	22.5	375	101	50×50

DN 6565×65 mm						
MODEL	P ₂ kW	HP	Q m³/h	l/min	H m	DN mm
IRG65-100/3	3	4	50	833	12.5	65×65
IRG65-100/2.2	2.2	3	44.7	745	10	65×65
IRG65-125/5.5 3~	5.5	7.5	50	833	20	65×65
IRG65-125/4 3~	4	5.5	45	750	16	65×65
IRG65-160/7.5 3~	7.5	10	50	833	32	65×65
IRG65-160/5.5 3~	5.5	7.5	43.4	723	24	65×65
IRG65-200/15 3~	15	20	50	833	50	65×65
IRG65-200/11 3~	11	15	47	783	44	65×65
IRG65-200/7.5 3~	7.5	10	43.3	722	38	65×65
IRG65-250/22 3~	22	30	50	833	80	65×65
IRG65-250/18.5 3~	18.5	25	46.7	778	70	65×65
IRG65-250/15 3~	15	20	43.3	722	60	65×65
IRG65-315/37 3~	37	50	50	833	125	65×65
IRG65-315/30 3~	30	40	46.5	775	110	65×65

3~ = three-phase 380–415 V only (models above 3 kW). Unmarked models (up to 3 kW): 1~ 220–240 V or 3~ 380–415 V. 50 Hz.

IRG 2-POLE

SINGLE-SUCTION CENTRIFUGAL PUMP · 50 Hz · n ≈ 2900 /min · PART 2 OF 2



n ≈ 2900 /min SPEED	50 Hz FREQUENCY	25 – 150 mm DN	0.75 – 110 kW POWER	3.7 – 200 m³/h RATED FLOW	10 – 150 m RATED HEAD
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DN 8080×80 mm							
MODEL	P ₂		Q		H	DN	
	kW	HP	m³/h	l/min			
IRG80-100/5.5 3~	5.5	7.5	100	1667	12.5	80×80	
IRG80-100/4 3~	4	5.5	89	1483	10	80×80	
IRG80-125/11 3~	11	15	100	1667	20	80×80	
IRG80-125/7.5 3~	7.5	10	89	1483	16	80×80	
IRG80-160/15 3~	15	20	100	1667	32	80×80	
IRG80-160/11 3~	11	15	93.5	1558	28	80×80	
IRG80-200/22 3~	22	30	100	1667	50	80×80	
IRG80-200/18.5 3~	18.5	25	93.5	1558	44	80×80	
IRG80-200/15 3~	15	20	87	1450	38	80×80	
IRG80-250/37 3~	37	50	100	1667	80	80×80	
IRG80-250/30 3~	30	40	93.5	1558	70	80×80	
IRG80-315/75 3~	75	100	100	1667	125	80×80	
IRG80-315/55 3~	55	75	95	1583	113	80×80	
IRG80-315/45 3~	45	60	90	1500	101	80×80	
IRG80-315/37 3~	37	50	82	1367	85	80×80	

DN 100100×100 mm							
MODEL	P ₂		Q		H	DN	
	kW	HP	m³/h	l/min			
IRG100-100/11 3~	11	15	160	2667	12.5	100×100	
IRG100-125/15 3~	15	20	160	2667	20	100×100	
IRG100-125/11 3~	11	15	140	2333	17	100×100	
IRG100-160/22 3~	22	30	160	2667	32	100×100	
IRG100-160/18.5 3~	18.5	25	140	2333	28	100×100	
IRG100-200/37 3~	37	50	160	2667	50	100×100	
IRG100-200/30 3~	30	40	140	2333	45	100×100	
IRG100-200/22 3~	22	30	100	1667	40	100×100	
IRG100-250/55 3~	55	75	160	2667	80	100×100	
IRG100-250/45 3~	45	60	140	2333	72	100×100	
IRG100-250/37 3~	37	50	100	1667	65	100×100	

DN 125125×125 mm							
MODEL	P ₂		Q		H	DN	
	kW	HP	m³/h	l/min			
IRG125-100/11 3~	11	15	160	2667	12.5	125×125	
IRG125-100/7.5 3~	7.5	10	143	2383	10	125×125	
IRG125-125/15 3~	15	20	160	2667	20	125×125	
IRG125-125/11 3~	11	15	143	2383	16	125×125	
IRG125-160/22 3~	22	30	160	2667	32	125×125	
IRG125-160/18.5 3~	18.5	25	150	2500	28	125×125	
IRG125-160/15 3~	15	20	138	2300	24	125×125	
IRG125-200/37 3~	37	50	160	2667	50	125×125	
IRG125-200/30 3~	30	40	150	2500	44	125×125	
IRG125-200/22 3~	22	30	138	2300	37.5	125×125	
IRG125-250/55 3~	55	75	160	2667	80	125×125	
IRG125-250/45 3~	45	60	150	2500	70	125×125	
IRG125-250/37 3~	37	50	138	2300	60	125×125	
IRG125-315/90 3~	90	120	160	2667	125	125×125	
IRG125-315/75 3~	75	100	150	2500	110	125×125	
IRG125-315/55 3~	55	75	134	2233	88	125×125	
IRG125-350/110 3~	110	150	160	2667	150	125×125	
IRG125-350/90 3~	90	120	150	2500	142	125×125	
IRG125-350/75 3~	75	100	143	2383	135	125×125	

DN 150150×150 mm							
MODEL	P ₂		Q		H	DN	
	kW	HP	m³/h	l/min			
IRG150-250/75 3~	75	100	200	3333	80	150×150	
IRG150-250/55 3~	55	75	187	3117	70	150×150	
IRG150-250/45 3~	45	60	173	2883	60	150×150	
IRG150-315/110 3~	110	150	200	3333	125	150×150	
IRG150-315/90 3~	90	120	187	3117	110	150×150	
IRG150-315/75 3~	75	100	173	2883	95	150×150	

3~ = three-phase 380–415 V only (models above 3 kW). Unmarked models (up to 3 kW): 1~ 220–240 V or 3~ 380–415 V. 50 Hz.

IRG 4-POLE

SINGLE-SUCTION CENTRIFUGAL PUMP · 50 Hz · n ≈ 1450 /min · PART 1 OF 2



n ≈ 1450 /min SPEED	50 Hz FREQUENCY	40 – 350 mm DN	0.55 – 250 kW POWER	5.8 – 1200 m³/h RATED FLOW	5 – 80 m RATED HEAD
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DN 4040×40 mm						
MODEL	P ₂ kW	HP	Q m³/h	l/min	H m	DN mm
IRG40-125/0.55-4	0.55	0.75	6.3	105	5	40×40
IRG40-160/0.55-4	0.55	0.75	6.3	105	8	40×40
IRG40-200/0.75-4	0.75	1	6.3	105	12.5	40×40
IRG40-200/0.55-4	0.55	0.75	5.8	97	11	40×40
IRG40-250/1.5-4	1.5	2	6.3	105	20	40×40
IRG40-250/1.1-4	1.1	1.5	5.8	97	17	40×40

DN 5050×50 mm						
MODEL	P ₂ kW	HP	Q m³/h	l/min	H m	DN mm
IRG50-125/0.55-4	0.55	0.75	12.5	208	5	50×50
IRG50-160/0.55-4	0.55	0.75	12.5	208	8	50×50
IRG50-200/1.1-4	1.1	1.5	12.5	208	12.5	50×50
IRG50-200/0.75-4	0.75	1	11.2	187	10	50×50
IRG50-250/2.2-4	2.2	3	12.5	208	20	50×50
IRG50-250/1.5-4	1.5	2	11.7	195	17.5	50×50
IRG50-250/1.1-4	1.1	1.5	10	167	13	50×50
IRG50-315/4-4 3~	4	5.5	12.5	208	32	50×50
IRG50-315/3-4	3	4	11.7	195	28	50×50

DN 6565×65 mm						
MODEL	P ₂ kW	HP	Q m³/h	l/min	H m	DN mm
IRG65-125/0.75-4	0.75	1	25	417	5	65×65
IRG65-160/1.1-4	1.1	1.5	25	417	8	65×65
IRG65-160/0.75-4	0.75	1	22	367	6	65×65
IRG65-200/2.2-4	2.2	3	25	417	12.5	65×65
IRG65-200/1.5-4	1.5	2	23.3	388	11	65×65
IRG65-250/3-4	3	4	25	417	20	65×65
IRG65-250/2.2-4	2.2	3	20	333	12.8	65×65
IRG65-315/5.5-4 3~	5.5	7.5	25	417	32	65×65
IRG65-315/4-4 3~	4	5.5	22.5	375	26	65×65

DN 8080×80 mm						
MODEL	P ₂ kW	HP	Q m³/h	l/min	H m	DN mm
IRG80-125/1.5-4	1.5	2	50	833	5	80×80
IRG80-160/2.2-4	2.2	3	50	833	8	80×80
IRG80-160/1.5-4	1.5	2	44.7	745	6	80×80
IRG80-200/3-4	3	4	50	833	12.5	80×80
IRG80-250/5.5-4 3~	5.5	7.5	50	833	20	80×80
IRG80-250/4-4 3~	4	5.5	46	767	17	80×80
IRG80-250/3-4	3	4	40.5	675	13	80×80
IRG80-315/11-4 3~	11	15	50	833	32	80×80
IRG80-315/7.5-4 3~	7.5	10	46	767	27.9	80×80
IRG80-315/5.5-4 3~	5.5	7.5	40.5	675	21	80×80

DN 100100×100 mm						
MODEL	P ₂ kW	HP	Q m³/h	l/min	H m	DN mm
IRG100-125/2.2-4	2.2	3	80	1333	5	100×100
IRG100-160/4-4 3~	4	5.5	80	1333	8	100×100
IRG100-160/3-4	3	4	72	1200	6	100×100
IRG100-200/5.5-4 3~	5.5	7.5	80	1333	12.5	100×100
IRG100-200/4-4 3~	4	5.5	72	1200	10	100×100
IRG100-250/11-4 3~	11	15	100	1667	20	100×100
IRG100-250/7.5-4 3~	7.5	10	93.3	1555	17.4	100×100
IRG100-250/5.5-4 3~	5.5	7.5	69	1150	15	100×100
IRG100-315/15-4 3~	15	20	80	1333	32	100×100
IRG100-315/11-4 3~	11	15	75	1250	27.5	100×100
IRG100-315/7.5-4 3~	7.5	10	72	1200	24	100×100
IRG100-400/30-4 3~	30	40	80	1333	44	100×100
IRG100-400/22-4 3~	22	30	75	1250	44	100×100
IRG100-400/18.5-4 3~	18.5	25	70	1167	38	100×100

3~ = three-phase 380–415 V only (models above 3 kW). Unmarked models (up to 3 kW): 1~ 220–240 V or 3~ 380–415 V. 50 Hz.

IRG 4-POLE

SINGLE-SUCTION CENTRIFUGAL PUMP · 50 Hz · n ≈ 1450 /min · PART 2 OF 2



n ≈ 1450 /min SPEED	50 Hz FREQUENCY	40 – 350 mm DN	0.55 – 250 kW POWER	5.8 – 1200 m³/h RATED FLOW	5 – 80 m RATED HEAD
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DN 125125×125 mm							
MODEL	P ₂		Q		H	DN	
	kW	HP	m³/h	l/min			
IRG125-200/11-4 3~	11	15	200	3333	12.5	125×125	
IRG125-200/7.5-4 3~	7.5	10	179	2983	10	125×125	
IRG125-250/15-4 3~	15	20	200	3333	20	125×125	
IRG125-250/11-4 3~	11	15	184.4	3073	17	125×125	
IRG125-250/7.5-4 3~	7.5	10	167	2783	14	125×125	
IRG125-315/22-4 3~	22	30	200	3333	32	125×125	
IRG125-315/18.5-4 3~	18.5	25	187	3117	28	125×125	
IRG125-315/15-4 3~	15	20	173	2883	24	125×125	
IRG125-400/45-4 3~	45	60	200	3333	50	125×125	
IRG125-400/37-4 3~	37	50	187	3117	44	125×125	
IRG125-400/30-4 3~	30	40	160	2667	38	125×125	

DN 150150×150 mm							
MODEL	P ₂		Q		H	DN	
	kW	HP	m³/h	l/min			
IRG150-200/15-4 3~	15	20	200	3333	12.5	150×150	
IRG150-200/11-4 3~	11	15	179	2983	10	150×150	
IRG150-250/18.5-4 3~	18.5	25	200	3333	20	150×150	
IRG150-250/15-4 3~	15	20	187	3117	17.5	150×150	
IRG150-250/11-4 3~	11	15	173	2883	14	150×150	
IRG150-315/30-4 3~	30	40	200	3333	32	150×150	
IRG150-315/22-4 3~	22	30	187	3117	28	150×150	
IRG150-315/18.5-4 3~	18.5	25	173	2883	24	150×150	
IRG150-400/45-4 3~	45	60	200	3333	50	150×150	
IRG150-400/37-4 3~	37	50	187	3117	44	150×150	
IRG150-400/30-4 3~	30	40	173	2883	37.5	150×150	
IRG150-400/22-4 3~	22	30	160	2667	32	150×150	

DN 200200×200 mm							
MODEL	P ₂		Q		H	DN	
	kW	HP	m³/h	l/min			
IRG200-200/22-4 3~	22	30	400	6667	12.5	200×200	
IRG200-200/18.5-4 3~	18.5	25	358	5967	10	200×200	
IRG200-250/30-4 3~	30	40	400	6667	20	200×200	
IRG200-250/22-4 3~	22	30	358	5967	16	200×200	
IRG200-250/18.5-4 3~	18.5	25	322	5367	13	200×200	
IRG200-315/55-4 3~	55	75	400	6667	32	200×200	
IRG200-315/45-4 3~	45	60	374	6233	28	200×200	
IRG200-315/37-4 3~	37	50	346	5767	24	200×200	
IRG200-400/75-4 3~	75	100	400	6667	50	200×200	
IRG200-400/55-4 3~	55	75	346	5767	38	200×200	
IRG200-400/45-4 3~	45	60	320	5333	32	200×200	

DN 250250×250 mm							
MODEL	P ₂		Q		H	DN	
	kW	HP	m³/h	l/min			
IRG250-250/45-4 3~	45	60	550	9167	20	250×250	
IRG250-250/37-4 3~	37	50	500	8333	17	250×250	
IRG250-315/75-4 3~	75	100	550	9167	32	250×250	
IRG250-315/55-4 3~	55	75	500	8333	28	250×250	
IRG250-315/45-4 3~	45	60	450	7500	24	250×250	
IRG250-400/110-4 3~	110	150	500	8333	50	250×250	
IRG250-400/90-4 3~	90	120	500	8333	44	250×250	
IRG250-400/75-4 3~	75	100	450	7500	38	250×250	
IRG250-500/200-4 3~	200	270	550	9167	80	250×250	
IRG250-500/160-4 3~	160	215	506	8433	71	250×250	
IRG250-500/132-4 3~	132	176	466	7767	63.5	250×250	

DN 300300×300 mm							
MODEL	P ₂		Q		H	DN	
	kW	HP	m³/h	l/min			
IRG300-250/55-4 3~	55	75	720	12000	20	300×300	
IRG300-250/45-4 3~	45	60	600	10000	17	300×300	
IRG300-315/90-4 3~	90	120	720	12000	32	300×300	
IRG300-315/75-4 3~	75	100	650	10833	28	300×300	
IRG300-315/55-4 3~	55	75	580	9667	24	300×300	
IRG300-400/110-4 3~	110	150	720	12000	50	300×300	
IRG300-400/90-4 3~	90	120	563	9383	38	300×300	
IRG300-400/75-4 3~	75	100	561	9350	33	300×300	
IRG300-500/250-4 3~	250	335	720	12000	80	300×300	
IRG300-500/200-4 3~	200	270	675	11250	70	300×300	
IRG300-500/160-4 3~	160	215	625	10417	60	300×300	

DN 350350×350 mm							
MODEL	P ₂		Q		H	DN	
	kW	HP	m³/h	l/min			
IRG350-315/160-4 3~	160	215	1200	20000	32	350×350	
IRG350-315/132-4 3~	132	176	1092	18200	28	350×350	
IRG350-315/110-4 3~	110	150	994	16567	25	350×350	
IRG350-400/250-4 3~	250	335	1200	20000	50	350×350	
IRG350-400/200-4 3~	200	270	994	16567	38.5	350×350	

3~ = three-phase 380–415 V only (models above 3 kW). Unmarked models (up to 3 kW): 1~ 220–240 V or 3~ 380–415 V. 50 Hz.