

Column Type High Precision Surface Grinders

ESG -3A2460



ESG -3280D



ADX -6150



SPECIFICATIONS:

DESCRIPTION	MODEL	ESG-3A2448 ESG-2448D	ESG-3A2460 ESG-2460D
Table size		610 x 1260mm(24" x 48")	610 x 1560mm(24" x 60")
Max. grinding length	Longitudinal	1260mm(48")	1560mm (60")
Max. grinding width	Crosswise	610mm(24")	
Max. distance from table surface to spindle centerline		850mm(33.5")	
Standard magnetic chuck size		600 x 1200mm(23.6" x 47.2")	600 x 1500mm(23.6 x 59")
Longitudinal movement of table	Max. travel, hydraulic	1300mm (51")	160mm(63")
	Max. travel, manual	1400mm(55")	1700mm(67")
	Table speed infinitely variable	60HZ, 5~30m/ min, 50HZ, 5-25m/min	
Column crossfeed transverse travel	Auto transverse increment(Jog)	1~25mm(0.04"~1")	
	Auto constant feeding speed	30~280mm/min (1 1/4"~11"/min)	
	Max. auto transverse travel	650mm(25.5)	
	Max. manual transverse travel	670mm(26.3)	
	Handwheel per revolution	5mm(0.2")	
	Handwheel per graduation	0.02mm (0.001")	
Wheelhead vertical infeed	Automatic infeed	D:0.001/ 0.002 / 0.003 / 0.004/ 0.005/ 0.01/ 0.015/ 0.02/ 0.03/ 0.04mm (0.5 / 1 /1.5 / 2.5 / 5/ 7.5/ 10 /15 /20 x 1/10000")	
	Step feed(Jog)	Jogging downfeed : 0.001mm (0.5 /10000") Jogging step increment : 0.001~0.040mm(0.5~20/10000")	
	Manual pulse generator(per graduation)	D:0.001mm(0.00005")/optional	
	Rapid travel approx.	150mm (6")/min	
	Slow travel, approx	6mm (0.25")/min	
	Handwheel per revolution	0.5mm(0.025")	
	Handwheel per graduation	0.005mm(0.00025")	
Grinding spindle drive	Speed	60HZ, 1100R.P.M; 50HZ, 900R.P.M	
	Power rating	Standard: 10HP / 6P (7.5KW) Optional : 15HP / 6P (11.25KW)	
Standard grinding wheel	Diameter	510mm(20")	
	Width	50mm(2")	
	Bore	127mm(5")	
Hydraulic motor	Power rating	5HP/ 6P(3.75KW)	
Crossfeed motor	Power rating	200W / DCV	
Elevating motor	Power rating	200W / DCV	
Total space required(LxWxH)		5000 x 3000 x 2350mm (200" x 118" x 93")	5360 x 3000 x 2350mm (211" x 118" x 93")
Weights	Net weight	7150KGS (15730LBS)	8850KGS (19470LBS)
	Gross weight	7800 KGS (17160LBS)	9850 KGS (17160LBS)
Rated power, Approx	Standard	17HP(12.75KW)	
	Optional	22HP(16.5KW)	
PACKING DIMENSIONS	L X W X H	4500 x 2290 x 2470mm (180" x 91.6 x 98.8")	4500 x 2290 x 2470mm (180" x 91.6 x 98.8")

SPECIFICATIONS:

DESCRIPTION	MODEL	ESG-3A2480 ESG-2480D	ADX 6120	ADX 6150	ADX 6200
Table size		610 x 2060mm(24" x 80")	610 x 1260mm(24" x 48")	610 x 1560mm(24" x 60")	610 x 2060mm (24" x 80")
Max. grinding length	Longitudinal	2060mm(80")	1260mm(48")	1560mm(60")	2060mm (80")
Max. grinding width	Crosswise	610mm (24")			
Max. distance from table surface to spindle centerline		830mm (32.5")			
Standard magnetic chuck size		600 x 1000mm(23.6" x 39.3") (2 pieces)	600 x 1200mm(23.6" x 47.2")	600 x 1500mm (23.6" x 59")	600 x 1000mm(23.6" x 39.3") (2 pieces)
Longitudinal movement of table	Max. travel, hydraulic	2100mm(83")	1300mm(51")	1600mm(63")	2100mm(83")
	Max. travel, manual	2200mm(86.5")	1400mm (55")	1700mm(67")	2200mm(86.5")
	Table speed infinitely variable	60HZ, 5~30m/ min, 50HZ, 5-25m/min			
Column crossfeed transverse travel	Auto transverse increment(Jog)	1~25mm (0.04"~1")			
	Auto constant feeding speed	30~280mm / min(1 1/4"~11"/min)			
	Max. auto transverse travel	650mm(25.5")			
	Max. manual transverse travel	670mm(26.3")			
	Handwheel per revolution	5mm(0.2")			
	Handwheel per graduation	0.02mm(0.01")			
Wheelhead vertical infeed	Automatic infeed	D:0.001/ 0.002/ 0.003 / 0.004/ 0.005/ 0.01/ 0.015/ 0.02/ 0.03/ 0.04mm (0.5/1/1.5/ 2/ 2.5 / 5/ 7.5/ 10/ 15/ 20 x 1/10000")	ADX:rough grinding :0.001~0.050mm(1~25/10000");finish finish grinding: 0.00050~0.0095 (0.25~9.75/10000")		
	Step feed(Jog)	Jogging downfeed : 0.001mm(0.5/ 10000") Jogging step increment : 0.001~0.040mm (0.5-20/10000")	Jogging downfeed : 0.0005mm (0.25 /10000") jogging step increment : 0.001~0.050mm(1~25/10000")		
	Manual pulse generator(per graduation)	D: 0.001mm(0.00005") / optional	0.001mm(0.00005")		
	Rapid travel approx.	150mm(6")/min			
	Slow travel, approx	6mm (0.25")/min	6mm (0.25") /min		
	Handwheel per revolution	0.5mm (0.025")	min.display value : 0.001mm(1/ 10000") (no elevating handwheel)		
	Handwheel per graduation	0.005mm (0.00025")			
Grinding spindle drive	Speed	60HZ, 1100R.P.M; 50HZ, 900R.P.M			
	Power rating	Standard;10HP/ 6P (7.5KW) Optional: 15HP/ 6P (11.25KW)			
Standard grinding wheel	Diameter	510mm (20")			
	Width	50mm (2")			
	Bore	127mm(5")			
Hydraulic motor	Power rating	5HP / 6P(3.75KW)			
Crossfeed motor	Power rating	200W / DCV			
Elevating motor	Power rating	200W / DCV			
Total space required(LxWxH)		6360 x 3000 x 2350mm (250" x 118" x 93")	5000 x 3000 x 2350mm (200 x 118" x 93")	5360 x 3000 x 2350mm (211" x 118" x 93")	6360 x 3000 x 2350mm (250" x 118 x 93")
Weights	Net weight	10850KGS (23870LBS)	7350KGS (16170LBS)	9050KGS (19910LBS)	11050KGS (24310LBS)
	Gross weight	12000KGS (26400LBS)	8000KGS (17600LBS)	10050KGS (22110LBS)	12200KGS (26840LBS)
Rated power, Approx	Standard	17HP(12.75KW)	17.5HP(13.125KW)		
	Optional	22HP(16.5KW)	22.5HP(16.875KW)		
PACKING DIMENSIONS	L X W X H	7000 x 2290 x 2470mm (236" x 91.6" x 98.8")	4500 x 2290 x 2470mm (180" x 91.6 " x 98.8")	4500 x 2290 x 2470mm (180" x 91.6" x 98.8")	7000 x 2290 x 2470mm (236" x 91.6" x 98.8")

SPECIFICATIONS:

DESCRIPTION		MODEL	ESG-3A3260 ESG-3260D	ESG-3A3280 ESG-3280D	ESG-3A32120 ESG-3280D	ADX8150
Table size			810x1550mm(32"x 60")	810x1550mm(32"x 80")	810 X 3050mm(32" x120")	810 x 1550mm(32" x 60")
Max. grinding length		Longitudinal	1550mm(61")	2050mm(81")	3050mm(120")	1550mm(61")
Max. grinding width		Crosswise	810mm(32")			
Max. distance from table surface to spindle centerline			850mm(33.5")			
Standard magnetic chuck size			800x 750mmx 2pieces (31.5"x 29.53"x 2pieces)	800x 1000mmx 2pieces (31.5"x39.37"x 2pieces)	800 x 1000mm x 3pieces (31.5" x 39.37" x 3piece)	800 x 750mm x 2pieces (31.5 x 29.53 x 2pieces)
Longitudinal movement of table	Max. travel, hydraulic		1600mm(63")	2100mm(82.5")	3100mm(122")	1600mm(63')
	Max. travel, manual		1700mm(67")	2200mm(86.5")	3200mm(126")	1700mm
	Table speed infinitely variable		5~30m/min			
Column crossfeed transverse travel	Auto transverse increment(Jog)		1~25mm(0.04"-1")			
	Auto constant feeding speed		30~280mm/min(11/4"~11"/min)			
	Max. auto transverse travel		870mm(25.5")			
	Max. manual transverse travel		885mm(26.3")			
	Handwheel per revolution		5mm(0.2")			
	Handwheel per graduation		0.02mm(0.001")			
Wheelhead vertical infeed	Automatic infeed		D:0.001/0.002/0.003/0.004/0.005/0.01/0.015/0.02/ 0.03/ 0.04mm(0.5/1/1.5/2/2.5/5/7.5/10/15/20x1/10000")			ADX:rough grinding: 0.001~0.050mm(1~25/10000"); finish grinding : 0.0005~0.0095(0.25~9.75/10000")
	Step feed(Jog)		Jogging downfeed: 0.0001mm(0.5/10000") Jogging step increment: 0.001~0.040mm(0.5~20/10000")			Jogging down feed:0.0005mm(0.25/10000") Jogging step increment : 0.001~0.050mm(1- 25/10000")
	Manual pulse generator(per graduation)		D:0.001mm(0.00005")/optional		0.001mm(0.00005")	
	Rapid travel approx.		150mm(6")/min			
	Slow travel, approx		6mm(0.25")/min			
	Handwheel per revolution		0.5mm(0.025")			min. display value : 0.001mm (1/10000") (no elevating handwheel)
	Handwheel per graduation		0.005mm(0.00025")			
Grinding spindle drive	Speed		60HZ, 1100 R.P.M 50HZ, 900 R.P.M			
	Power rating		Standard: 20HP/ 6P(15KW) Optional: 25HP/ 6P(18.75KW), 30HP(22.5KW)			
Standard grinding wheel	Diameter		510mm(20")			
	Width		76mm(3")			
	Bore		127mm(5")			
Hydraulic motor	Power rating		7.5HP/ 6P(5.625KW)			
Crossfeed motor	Power rating		DC 200W/DCV			
Elevating motor	Power rating		DC 200W/DCV			
Total space required(LxWxH)			5000x3500x2350mm (200"x138"x93")	5360x3500x2350mm (211"x138"x93")	6360 x 3500 x 2350mm (250" x 138" x 93")	5000 x 3500 x 2350mm (200" x138" x 93")
Weights	Net weight		8500KGS(18700LBS)	10200KGS(22440LBS)	12600KGS(27720LGS)	8500KGS(18700LGS)
	Gross weight		10000KGS(22000LBS)	12000KGS(26400LBS)	12000KGS(26400LBS)	14500KGS(31900LBS)
Rated power, Approx	Standard		28HP(21KW)			
	Optional		33.5HP(25.125KW)/ SPINDLE 25HP 38.5HP(28.875KW)/ SPINDLE 30HP			
PACKING DIMENSIONS	L X W X H		6000x 3600x 3000mm (275.5"x 142"x 118.1")	7000x 3600x 3000mm (236"x 142"x 118.1")	9000 x 3600 x 3000mm (354" x 142" x118.1")	6000 x 3560 x 3000mm (275.5" x 142" x 118.1")

SPECIFICATIONS:

DESCRIPTION		MODEL	ADX 8200	ADX 8300
Table size			810 x 2050mm (32" x 80")	810 x 3050mm (32" x 120")
Max. grinding length	Longitudinal		2050mm (81")	3050mm(120")
Max. grinding width	Crosswise		810mm(32")	
Max. distance from table surface to spindle centerline			850mm(33.5")	
Standard magnetic chuck size			800 x 1000mm x 2 pieces (31.5 x 39.37" x 2pieces)	800 x 1000mm x 3 pieces (31.5" x 39.37" x 3pieces)
Longitudinal movement of table	Max. travel, hydraulic		2100mm(82.5")	3100(122")
	Max. travel, manual		2200mm(86.5")	3200(126")
	Table speed infinitely variable		5~30m/min	
Column crossfeed transverse travel	Auto transverse increment(Jog)		1~25mm(0.04"-1")	
	Auto constant feeding speed		30~280mm/min (1 1/4"~11"/min)	
	Max. auto transverse travel		870mm(34.25")	
	Max. manual transverse travel		885mm(34.8")	
	Handwheel per revolution		5mm(0.2")	
	Handwheel per graduation		0.02mm(0.001")	
Wheelhead vertical infeed	Automatic infeed		ADX:rough grinding : 0.001~0.050mm(1~25/10000") finish grinding : 0.0005~0.0095(0.25~9.75/10000")	
	Step feed(Jog)		Jogging downfeed : 0.0005mm (0.25/10000") Jogging step increment : 0.01~0.050mm(1~25/10000")	
	Manual pulse generator(per graduation)		0.001mm (0.00005")	
	Rapid travel approx.		150mm(6") / min	
	Slow travel, approx		6mm(0.25")/min	
	Handwheel per revolution		min.display value : 0.0001mm (1/10000") (no elevating handwheel)	
	Handwheel per graduation			
Grinding spindle drive	Speed		60HZ, 1100R.P.M ; 50HZ, 900R.P.M	
	Power rating		Standard : 20HP/ 6P (15KW); Optional : 25HP/ 6P(180.75KW)30HP (22.5KW)	
Standard grinding wheel	Diameter		510mm(20")	
	Width		76mm(3")	
	Bore		127mm(5")	
Hydraulic motor	Power rating		7.5HP/ 6P(5.625KW)	
Crossfeed motor	Power rating		DC 200W / DCV	
Elevating motor	Power rating		DC 200W / DCV	
Total space required(LxWxH)			5360 x 3500 x 2350mm (211" x 138" x 93")	6360 x 3500 x 2350mm (250" x 138" x 93")
Weights	Net weight		10200KGS (22440LBS)	12600KGS (27720LBS)
	Gross weight		12000KGS (22000LBS)	14500KGS (31900LBS)
Rated power, Approx	Standard		28HP(21KW)	
	Optional		33.5HP(25.125KW) /spindle 25HP 38.5HP (28.875KW) /spindle 30HP	
PACKING DIMENSIONS	L X W X H		7000 x 3600 x 3000mm (236" x 142" x 118.1")	9000 x 3600 x 3000mm (354"x 142" x 118.1")