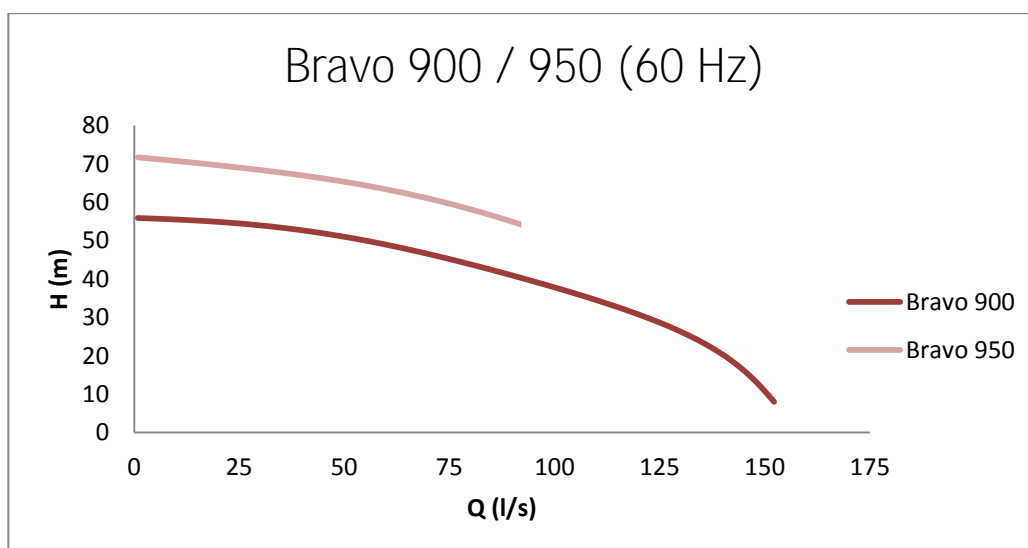
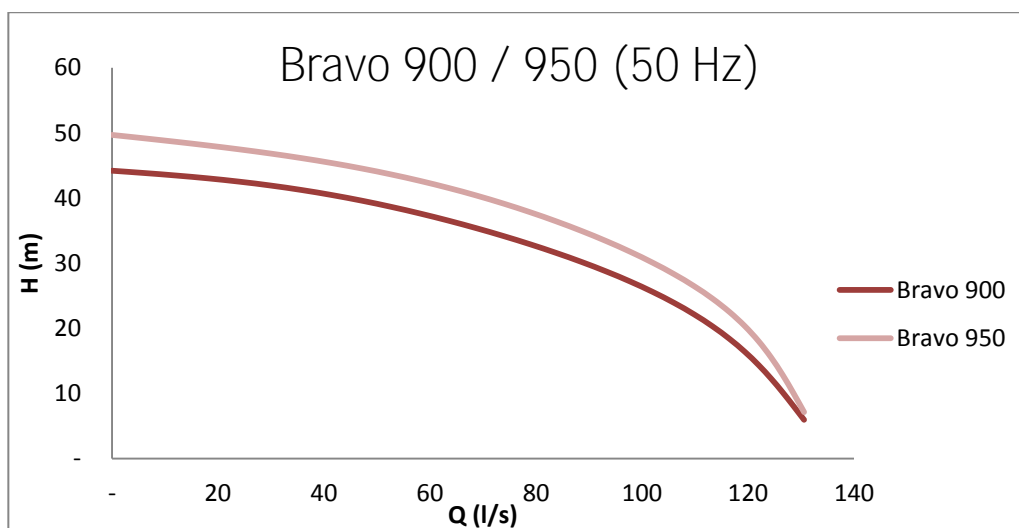


### Dear Distributor,

Through big increases in sales during the last years, Grindex has in the second half of 2013 extended the Bravo range. As you may have seen on the price lists for 2014, the existing pump fleet has been complemented with more motor alternatives as well as a new model.

### The Bravo 950

The new Bravo 950 has the same physical dimensions as the Bravo 900 and comes with two motor alternatives. The following graphs describe the performance of the pump.



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# Technical Newsletter

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www.grindex.com

Subject:  
Extended Bravo range

## New motor ratings

See below table for detailed descriptions of the new and existing ratings for Bravo 400-900.

Model	Max Head	Rated power (50 Hz)	Rated power (60 Hz)	Max Power (50 Hz)	Max Power (60 Hz)	Rated current (50 Hz) 230 / 400 / 500 V	Rated current (60 Hz) 230 / 460 / 575 V	Remarks
<b>Bravo 950</b>								
Bravo 950	50	70	78	75	84	- / 132 / 102 A	- / 125 / 101 A	
Bravo 950	50	55	-	60	-	- / 103 / 82 A	-	
<b>Bravo 900</b>								
Bravo 900	44	70	78	75	84	- / 132 / 102 A	- / 125 / 101 A	
Bravo 900	44	55	-	60	-	- / 103 / 82 A	-	
<b>Bravo 800</b>								
Bravo 800	39	45	52	49	56	- / 82 / 63 A	- / 80 / 63 A	
<b>Bravo 700</b>								
Bravo 700	33	45	52	49	57	- / 82 / 63 A	- / 80 / 63 A	
Bravo 700	33	37	45	40	49	- / 66 / 54 A	- / 69 / 55 A	
Bravo 700	33	30	34	33	37	- / 54 / 43 A	- / 52 / 41 A	
<b>Bravo 600</b>								
Bravo 600	33	22	25	25	28	73 / 41 / 33 A	81 / 40 / 32 A	
<b>Bravo 500</b>								
Bravo 500	28	22	25	25	28	73 / 41 / 33 A	81 / 40 / 32 A	
Bravo 500	28	18	19	21	21	62 / 36 / 29 A	61 / 30 / 25 A	
Bravo 500	28	15	-	17.2	-	53 / 31 / 24 A	-	
<b>Bravo 400</b>								
Bravo 400	20	14	15	16	17	47 / 28 / 21 A	52 / 26 / 21 A	
Bravo 400	13	9	11.2	11	12.8	36 / 21 / 17 A	46 / 21 / 17 A	970 r/min (6-pole)
Bravo 400	20	7	-	9	-	28 / 16 / 13 A	-	

The new ratings allow the user to find a more competitive alternative for the specific application. When pumping relatively light slurries, a smaller motor can be chosen and therefore the user can get a more cost effective solution. In heavy slurry applications, a bigger motor alternative may be necessary. Ask technical support for more information how to choose the sufficient motor.

The new motor alternatives and the Bravo 950 are available for order. Don't hesitate to contact [technicalsupport@grindex.com](mailto:technicalsupport@grindex.com) for further information.

Yours sincerely,  
*Carl Nilsson*  
Product Manager