

ZCR series Desiccant Dehumidifier with low reactivation temperature

ZCR series Desiccant Dehumidifier can dehumidify high relative humidity air with low temperature (60 °C) regeneration air and achieve greater dehumidification performance than ZCB-D/Z series with high temperature (130 °C) which apply conventional silica gel wheel. Waste heat from refrigeration process is used as a reactivation source of desiccant wheel of ZCB-R series desiccant dehumidifier, , resulting in an extremely energy efficient system.

ZCR SERIES DESICCANT DEHUMIDIFIER WITH LOW REACTIVATION TEMPERATURE							
Model No.	Process air volume	Regeneration air volume CMH	Process fan motor (kw)	Reactivation fan motor (kw)	Required reactivation power (kw)	hot water at 65° for reactivation (ton/hour)	Back-up reactivation heating power (kw)
	CMH						
ZCR-R20-2000	2000	2000	3.00	1.10	20	1.7	4
ZCR-R30-3000	3000	3000	3.00	1.50	30	2.6	6
ZCR-R40-4000	4000	4000	4.00	2.20	40	3.4	8
ZCR-R50-5000	5000	5000	4.00	2.20	50	4.3	10
ZCR-R60-6000	6000	6000	5.50	3.00	60	5.1	12
ZCR-R80-8000	8000	8000	7.50	4.00	80	6.8	15
ZCR-R100-10000	10000	10000	11.00	5.50	100	8.5	20
ZCR-R120-12000	12000	12000	11.00	5.50	120	10.2	24
ZCR-R150-15000	15000	15000	15.00	7.50	150	12.8	30
ZCR-R200-20000	20000	20000	15.00	11.00	200	17	40

1.Make-up outside air :10~30% of supply air; 2.controlled humidity 15~50% RH